







AUBURN UNIVERSITY  
AT MONTGOMERY

# Undergraduate Catalog

## 2019-20







Auburn University at Montgomery presents this catalog to its undergraduate students, prospective undergraduate students, employees and others to inform them about the admission process, degree programs and requirements, course descriptions, regulations, faculty members and other pertinent information. The statements made in this catalog are for informational purposes only and do not constitute a contract between the student and AUM.

While Auburn University at Montgomery reserves the right to make changes to its policies, regulations, curriculum and other items listed in this catalog without actual notice to students, the information accurately reflects policy and progress requirements for graduation effective August 1, 2019. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Auburn Montgomery will make every effort to keep students advised on any such changes. Information on changes will be available online at [www.aum.edu](http://www.aum.edu). It is important that each student be aware of their individual responsibility to keep apprised of current graduation requirements for their degree program.

I certify that this catalog is true and correct in content and policy as required by 38CFR21.4258(d)(1).

A handwritten signature in black ink, reading "Mrinal Mugdh".

Dr. Mrinal Mugdh Varma  
Provost and Senior Vice Chancellor



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## Accreditation

Auburn University at Montgomery is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, educational specialist and doctoral degrees. Inquiries related to the university's accreditation by the commission may be directed to the Commission on Colleges, 1866 Southern Lane, Decatur, Ga., 30033-4097, 404-679-4500 or [www.sacscoc.org](http://www.sacscoc.org). Questions related to admissions, programs and practices of AUM should be directed to the university's offices, publications or websites.

## Academic Calendars, Class Meeting Times and Final Examination Schedule

Current AUM academic calendars, class meeting times and final examination schedules are available online at [www.aum.edu](http://www.aum.edu).

## Baccalaureate Degrees

### College of Business

#### Degree

B.S.B.A.

#### Curriculum

##### Accounting

##### Entrepreneurship

##### Finance

##### General Business

##### Human Resource Management

##### Information Systems

General Information Systems

Enterprise Network Management

Enterprise Data Management and Applications

##### International Business

##### Management

##### Marketing

Hospitality and Tourism

### College of Education

#### Degree

B.S./Elementary Education

B.S./Kinesiology

B.S./Secondary Education

B.S./Special Education

#### Curriculum

##### Elementary Education

Childhood Education (P-6)

(Elementary Education and

Early Childhood Education)

##### Kinesiology

Exercise Science

Physical Education (P-12)

Sport Management

##### Secondary Education (6-12)

English Language Arts

General Science Education

History/Social Sciences Education

Mathematics Education

##### Special Education

Early Childhood Special Education (B-8)

Collaborative Teacher (K-6) and

Elementary Education

Collaborative Teacher (6-12)

## College of Liberal Arts and Social Sciences

### **Degree**

B.A./Communication

B.A./English

B.A./Fine Arts

B.F.A./Art

B.S./Economics

B.A./History

B.I.S./Interdisciplinary Studies

B.S./Criminal Justice

B.S./Political Science

B.A./Sociology

B.A./World Languages and Cultures

### **Curriculum**

#### **Communication**

Communication  
Communication Studies  
Theatre

#### **English**

#### **Fine Arts**

Art History  
Visual Arts

#### **Art**

Ceramics  
Graphic Design  
Painting and Drawing  
Photography  
Sculpture

#### **Economics**

International Economics and Commerce  
Political Economics  
Traditional Economics

#### **History**

#### **Interdisciplinary Studies**

Religious Studies

#### **Criminal Justice**

Legal Studies

#### **Political Science**

#### **Sociology**

Anthropology  
Marriage and Family  
Pre-Social Work  
Sociology

#### **World Languages and Cultures**

Chinese and East Asian Studies  
Francophone Studies  
German Studies  
Hispanic Studies  
International Trade

## College of Nursing and Health Sciences

### **Degree**

B.S.N.

(Must be admitted to upper division by the School of Nursing)

B.S./Communication Disorders

B.S./Medical Laboratory Science

### **Curriculum**

Nursing

#### **Communication Disorders**

#### **Medical Laboratory Science**

## College of Sciences

### Degree

B.S./Biology

B.S./Chemistry

B.S./Computer Science

B.S./Environmental Science

B.S./Geographic Information Systems

B.S./Mathematics

B.S./Psychology

### Minors

Accounting (for business majors)

Accounting (for non-business majors)

Anthropology

Art History

Biology

Business Administration (for non-business majors)

Ceramics

Child Advocacy Studies

Communication

Computer Science

Creative Writing

Criminal Justice/Corrections

Criminal Justice/Juvenile Justice

Criminal Justice/Law Enforcement

Criminal Justice/Security Administration

Economics

English Language and Literature

Fermentation

Finance (for business majors)

Finance (for non-business majors)

French

Gender and Ethnic Studies (Interdisciplinary)

Geographic Information Systems

Graphic Design

History

Human Resource Management (for business majors)

Human Resource Management (for non-business majors)

### Curriculum

#### **Biology**

Biology Health Sciences

General Biology

Molecular Biology

Public Health and Microbiology

#### **Chemistry**

Chemistry

Chemistry/Professional

Chemistry/Health Sciences

#### **Computer Science**

#### **Environmental Science**

Environmental Biology

Environmental Chemistry

Environmental Health and Toxicology

Environmental Geographic Information Systems

#### **Geographic Information Systems**

#### **Mathematics**

Mathematics Education

Pre-Engineering

Mathematics

#### **Psychology**

Information Systems (for business majors)  
Information Systems (for non-business majors)  
International Business (for business majors)  
International Relations  
International Studies  
Legal Studies  
Mathematics  
Management (for business majors)  
Management (for non-business majors)  
Marketing (for business majors)  
Marketing (for non-business majors)  
Medieval Studies  
Military Science and Leadership  
Music  
Organizational Leadership  
Painting and Drawing  
Philosophy  
Photography  
Political Science  
Printmaking  
Project Management  
Psychology  
Sculpture  
Sociology  
Sport Management  
Sport Nutrition  
Theatre  
Writing and Editing

### **Certificate Programs**

American Society and Culture  
American Bar Association (ABA) Paralegal Certificate  
Geographic Information Systems  
Museum Studies  
Substance Abuse Prevention Studies



## Mission of the University

The mission of Auburn University at Montgomery is to provide quality and diverse educational opportunities at the undergraduate and graduate levels through use of traditional and electronic delivery systems, and to foster and support an environment conducive to teaching, research, scholarship, and collaboration with government agencies, our community, and other educational institutions.

## University Identity and Core Values

Auburn University at Montgomery is a fully accredited comprehensive, public university with a diverse student population that includes a blend of traditional and non-traditional learners awarded degrees in a variety of disciplines from its programs. Our personalized and caring learning environment offers academically strong undergraduate and graduate programs designed and taught by faculty who are active researchers in their fields and who play a vital role in each student's success. We stand apart from our peers as an institution with an applied emphasis, having a history of producing leaders prepared to make a positive impact in their chosen fields.

As a critical partner in our community, we provide expertise that enhances economic development and the quality of life for individuals in the region and beyond. These partnerships strengthen not only our community, but our students and faculty as well.

### Core Values

Auburn University at Montgomery values and promotes:

- A Student-Centered Experience
- Citizenship & Community Engagement
- Excellence as Our Standard
- Commitment to Constant Improvement
- Diversity of People & Perspective with a Culture of Inclusiveness
- Lifelong Learning
- Environment of Collaboration

## AUM Library

The AUM Library is located in the 10-story Ida Belle Young Library Tower. The library collection contains over 500,000 volumes, over 75,000 e-books, and more than 70,000 full-text journals available in print and/or electronic format. The library provides online access to more than 150 databases covering all academic disciplines. The library also has extensive collections of documents and periodicals in electronic format and on microfilm, and a growing collection of manuscripts and archival materials. In addition, it maintains a collection of browsing materials consisting of bestseller and popular fiction items. The library is one of two regional federal documents depository libraries in Alabama, with more than 2 million publications dating from the mid-19th century to the present.

The library provides access to its holdings through its online catalog, as well as providing access to the catalogs of libraries within the state and throughout the world. For remote access to library collections, visit the library homepage at [aumnocat.aum.edu](http://aumnocat.aum.edu).

The library supplements its holdings by providing interlibrary loan services for students, faculty, and staff. The campus community also has direct, online borrowing privileges for books from the libraries at Auburn University, Jacksonville State University, the University of Alabama, and the University of Alabama at Birmingham. The AUM Library is a member of OCLC Inc., an international online bibliographic database with more than 100 million records; Lyrasis, the nation's largest regional membership organization serving libraries; and NAAL, the Network of Alabama Academic Libraries.



The AUM Library is also a member of the Montgomery Higher Education Consortium, which allows AUM students, faculty and staff to check materials out from the libraries at Alabama State University, Faulkner University, Huntingdon College, and Troy University's Montgomery campus.

The library's reference service offers instruction for students in the use of library resources and assistance in beginning a research project. The library's reference assistance is offered in person, by phone, or online, using the library's "Ask a Librarian" service, which provides online chat, email, and texting options available at <http://askus.library.aum.edu>. The library faculty and staff also provide assistance finding information, using online databases, and in the use of library equipment. The library provides news and updates through its blog at <http://libraryblog.aum.edu>, as well as through its various social media platforms (Facebook, Twitter, Instagram).

Seating is available for more than 600 students, including study tables and chairs and comfortable soft seating. For quiet study there are individual study carrels located on floors three, four, and five of the tower. The library provides equipment to assist those with visual impairments, listening carrels, and a combined computer lab/classroom that can seat 31 patrons. The library is also configured for wireless access and provides comfortable seating on all floors, with access to a coffee bar on the first floor.

The library is open 85.5 hours a week during the semester and is staffed by capable and friendly professional librarians and paraprofessional staff eager to assist you in locating information both in person and online.

## Center for Disabilities Services

The Center for Disability Services (CDS) provides academic support services to students with disabilities. Their services include test proctoring, interpreting, captioning [CART], note taking, assistive technology, electronic text (e-text), Braille and other alternative formats and accommodations designed to meet the specific needs of each individual.

Students with documented disabilities should register with CDS prior to the beginning of each semester of enrollment at AUM. More information regarding specific documentation requirements can be found at the CDS website at [www.aum.edu/cds](http://www.aum.edu/cds).

Disability Services also provides training and technical assistance regarding disabilities, accommodations, accessibility, or other services for individuals with disabilities. In addition, the Center for Disability Services acts as the campus' monitoring agency for compliance with the Americans with Disabilities Act of 1990 and the ADA Amendments Act.

## Counseling and Health Promotion Services (CHPS)

Counseling and Health Promotion Services (CHPS) provides free confidential counseling services to all current AUM students. We offer crisis interventions, individual counseling, group counseling, assessments and referrals to students, and consultation and outreach to members of the AUM community. Our staff of licensed counselors, administrative support, and interns are committed to providing a safe, nonjudgmental, and confidential space.

College life is exciting and rewarding; however, the challenges, demands, and responsibilities can feel overwhelming. It's not uncommon to feel you need help. Many students visit us for help with homesickness, stress, relationship concerns, depression, anxiety, sexual identity and gender matters, substance use, eating and body image, and overall adjustment to college life. CHPS counselors are here to help students achieve academic success and personal growth in order to ensure that students remain healthy and thriving during their college years and beyond.

Counseling is available by appointment. Hours of operation are Monday through Friday 8 a.m. to 5 p.m. The counseling process can be initiated by the student or through referral by a teacher, family member, friend, or professional in the community. However, the choice to begin or continue counseling is left to the student. Referrals will be made to community mental health providers when the needs of the student cannot be met by CHPS.

CHPS also functions as a training facility. Each academic year, graduate and pre-doctoral interns train at CHPS. They receive supervision from our staff of licensed professional counselors.

We have a strong commitment to meeting the needs of diverse people; therefore, we strive to create an environment where all individuals feel welcome. If you need to talk, receive support, or problem-solve, please call on us. We are passionate about assisting our students with concerns related to personal, emotional, social, and mental health matters.

## **Warhawk Academic Success Center**

The purpose of the Warhawk Academic Success Center (WASC) is to provide a central location where students can find academic support services designed to promote their academic success. Located on the second floor of the IBY Library, the WASC is home to the Bridge Program, Student Success Advisors, the Warhawk Warning Program, and the Learning Center and Instructional Support Lab. All programs operating in the WASC are designed to provide support for students in their academic endeavors.

## **Bridge Program**

The Bridge program is a conditional admission program that provides qualified students with extra academic support for one semester prior to gaining full admission to AUM. During the Bridge semester, students are enrolled in courses designed specifically to “bridge the gap” for a continued and successful college career. Bridge courses consist of a University Success course, as well as a Math and/or English course. Throughout the semester, faculty and staff on the Bridge team assist students by implementing skill-building exercises for success in college. Bridge students receive full-time access to an academic advisor, along with weekly one-on-one tutoring at no extra charge. The Bridge program is designed to help familiarize students with our campus resources, while showing students how to thrive at AUM.

## **Student Success Advisors**

Student Success Advisors are professional staff members who reach out to students and foster connections between the students, faculty, and institutional academic support services. Student Success Advisors assist students with their concerns including but not limited to personal support, adjusting to college, study skills, time management, and advocacy. Student Success Advisors proactively reach out to students and connect them with support services as well as collaborate with them in establishing a plan of action to gain the knowledge and skills needed to succeed at AUM.

## **Warhawk Warning**

Warhawk Warning is an early alert program through which faculty and staff members refer students to the Warhawk Academic Success Center. A Student Success Advisor will contact the student via e-mail or phone call and encourage the student to meet for an appointment during which advice, support, advocacy, other student-focused interventions are enacted in order to promote academic success.

## **Learning Center and Instructional Support Lab (LC.ISL)**

The Learning Center and Instructional Support Lab is a unit of the WASC that provides free individual tutoring for currently enrolled AUM students. The Learning Center (LC) is located in the WASC (2nd Floor Library Tower) in rooms 225 and 226. This location offers tutoring in most AUM courses, including mathematics, accounting, economics, statistics, sociology, psychology, music, art, history, communications,



English and English as a Second Language. The Learning Center also provides writing consultations for courses in all disciplines, as well as online asynchronous writing consultations for students enrolled in online courses. In addition to one-on-one tutoring, the LC provides small group tutoring sessions for students in the same course, workshops on topics like study skills and specific course test prep sessions as well as accounting small group sessions, called Extending the Classroom (ETC). Students who live on campus may be tutored in campus residence halls. Walk-ins are welcomed on a space- available basis. For information or to make an appointment for a session at the LC call 334-244-3470 or stop by the center.

The Instructional Support Lab (ISL), located in Rm 202-203 Goodwyn Hall, offers free, one-on-one or small group tutoring in biology, anatomy, chemistry, computer science, physics, statistics and all mathematics courses. Sessions are on a first-come, first-served basis. This location also has an extensive collection of cellular, chemical, and anatomical models available during opening-hours for student use. No appointments are necessary. For more information about ISL services call 334-244-3265. Check out Facebook, Instagram and Twitter for current activities, news and announcements for the LC.ISL.

## Housing and Residence Life

Housing and Residence Life at AUM gives students the full college experience. Residents are within easy walking distance to classes, the library, the Taylor Center, extracurricular activities and friends. In order to meet residents' needs, on-campus housing includes: free parking, unlimited laundry, ADA accessibility, and digital cable services.

AUM Housing offers four vibrant residential communities in order for students to choose their perfect fit. The Commons, AUM's eight-story apartment tower, features secure, suite-style apartments with private bedrooms and fully furnished kitchen and living areas. The Courtyards offers roomy open-concept apartments at an affordable price in single, double, triple or quad occupancy with fully furnished kitchens. Warhawk Hall features fully furnished one, two and three bedroom apartments. P-40 Place features loft-style apartments with a community feel. These also include fully furnished living and common areas. Some of the AUMazing events planned annually for the residential community includes the Professors 'n' Pajamas: Late Night Study Breakfast, Resident Appreciation Cookout and Kill-a-Watt Sustainability Challenge. AUM housing is available to any enrolled student. Applications for housing are available online by logging on to MyAUM.

AUM Housing also offers Living and Learning Communities which put students together with shared courses and community initiatives. Living Learning Communities (LLCs) are specifically designed to help first-time freshmen make a successful transition to college by giving them a leg up academically and socially. Some of our living and learning communities include:

- Learning Comes First LLC
- AUM Honors LLC
- AUM Women Lead Society
- Pre-Nursing LLC
- College of Education LLC
- STEM LLC

Participation is free, but space is limited. To learn more about living and learning communities, contact our Learning Community Coordinator at LLC@aum.edu.

## Accountability and Advocacy

The Office of Accountability and Advocacy works to ensure that students are knowledgeable regarding the guidelines that govern student conduct. Staff serve as advocates in empowering students in their academic and social development through programming, personal interaction and resource guidance.

### How We Support Students:

- Provide clarity on university policies and procedures
- Create an opportunity for communication among those involved in resolving a problem or conflict
- Help students to develop problem-solving skills and promote critical thinking
- Provide referral to sources that can assist in creating a helping network
- Provide training and programming on topics related to communications, conflict, university policy, judicial resolution and areas of advocacy which impact academic and social development
- Assist students through the judicial process

## Career Development Center

The Auburn University at Montgomery Career Development Center exists to educate, empower, and create opportunities for all Warhawks to achieve individual professional success. The Center can help you with all the important steps in developing your career: assessing personal interests, values and priorities; exploring majors and career options; developing a career action plan; building professional skills and competencies; and then organizing and conducting a job or graduate school search.

Engagement in the career development process begins as soon as you enter Auburn University at Montgomery. Career advisors within the Center are available to help you unpack the factors in your life that are or will be important to you, including your interests, values, personality characteristics, and other priorities in your life that need to be considered to make an informed career decision. You and your career advisor will develop criteria to measure your fit with different major and career options.

Once you have chosen your major/career path, career advisors will help you create a career action plan. Along with your academic course of study, your career action plan will include experiential learning activities (internships, student involvement, service learning projects, study abroad assignments and more) that allow you to gain professional accomplishments in your chosen field during your time at Auburn Montgomery. Throughout the academic year, the Center will facilitate various workshops, seminars and other educational activities designed to help you navigate through your action plan. Some examples include:

- Shadow Montgomery - an excursion to regional employer locations, where you can see professionals in action and identify valuable workplace activities and norms.
- Life-After-College Conference - an immersion into the experiences and challenges of the "real world"; topics include financial planning/budgeting, managing professional expectations, and thriving in a diverse society/workplace
- Experiential Education Expo - an interactive showcase of experiential learning opportunities and how they can help you prepare for your career

When the time comes to start searching for your next opportunity after college, the Center helps you develop a targeted job or post-graduate program search strategy. Career advisors will assist you with creating personal marketing materials that articulate your value to employer or graduate program organizations, including resumes, cover letters, LinkedIn profiles, and more. The Center hosts various workshops and programs throughout the year that prepare you for interacting with recruiters, including our Career Boot Camp and Mock Interview Workshops.

The Center helps create opportunities for students to interact with employer organizations through multiple platforms and services. Auburn University at Montgomery is a member of Handshake - a global network of universities and employer organizations with career and internship opportunities for students. Center team members can assist you with creating a Handshake account where you will have access to all opportunities and employer organizations within the network. You can engage with employer representatives face-to-face through our Employer Spotlight series. Employer Spotlight events include career fairs, employer information sessions, classroom/club presentations, and more. Just look for the Employer Spotlight logo to see when employers will be on campus.



## Scholarship and Stipend Award Policy

AUM offers a variety of scholarship opportunities for entering freshman from high schools, community college transfers, active duty military dependents stationed in Alabama, and for currently enrolled students. Most scholarships require full-time attendance and are based on the applicant's academic or extracurricular record, while some are based on financial need. To ensure consideration for all scholarship opportunities, a student should complete a Free Application for Federal Student Aid (FAFSA) annually.

### New AUM Students

Application Procedures for New AUM Student Scholarships:

- Apply for admission to AUM.
- Request that official ACT or SAT scores be mailed to the AUM Office of Admissions and Recruiting, P.O. Box 244023, Montgomery, AL, 36124.
- Request that an official high school transcript (or community college transcript) be mailed to the AUM Office of Admissions Processing. The transcript must show grades through the junior year (or most recent term for community college transfers).
- March 1 is the freshman scholarship deadline for competitive scholarships (separate scholarship application required).
- June 1 is the non-competitive freshman scholarship deadline.

### Continuing AUM Students

Auburn Montgomery offers a variety of merit scholarships to currently enrolled students. These scholarships are limited in number, and are generally awarded for one academic year. Students who maintain eligibility must reapply for consideration each year. Students can also speak to their academic department regarding department scholarship availability. For updated information and application deadlines on scholarships for continuing students, please visit [www.aum.edu/scholarships](http://www.aum.edu/scholarships).

## Tuition, Fees and Other Charges

Current AUM tuition and charges are available online at [www.aum.edu](http://www.aum.edu). As operating costs rise, small increases in tuition and fees are authorized by the Board of Trustees to meet these increased costs. Every effort is made to hold these changes to the minimum.

### Payment of Tuition, Fees, and Other Charges

Students are expected to meet all financial obligations to the university when due. AUM has a centralized billing system for student accounts. Students should receive a statement two to three weeks prior to the first day of classes. If a student registers after this time, a billing statement will not be received. However, students are responsible for paying all charges by the due date. Billing statements for currently enrolled students are issued via e-bill only. An e-mail notification will be sent to the student's university issued e-mail address and to all authorized users when a new billing statement is issued.

It is the student's responsibility to monitor his or her outstanding charges through Web Pay throughout the term and to check his or her AUM email box regularly for correspondence related to billing statements, due dates and other financial matters.

Payment of all billed charges must be made by each statement's due date to avoid late charges. Payments may be made via Web Pay, by mail, or by direct delivery to the Office of Student Accounts. Payments made by mail should allow for delivery on or before the due date. Students may pay by cash, check or credit card (VISA, MasterCard, Discover or American Express). International payments can also be made by wire transfer.

### Acceptance of Financial Responsibility

AUM reserves the right to deny continuing admission and to hold grades and transcripts of students who

fail to meet their financial obligations. Students are required to acknowledge an Acceptance of Financial Responsibility statement each semester. This Acceptance of Financial Responsibility reads as follows:

I understand that registration in classes at Auburn Montgomery will create tuition and other associated fees being assessed to my student account. By registering for classes at Auburn Montgomery or otherwise receiving good and valuable services from Auburn Montgomery, I understand and agree to the following:

- If I fail to pay any unpaid balance on my student account, I will be personally responsible for the debt, and agree to pay, all costs and fees of collection, including interest, late payment fees, transcript hold fees, collection fees of third party collection agencies or attorneys (which may be based on a percentage of up to 40% of the principal, interest, late payment fees, and transcript hold fees accrued prior to referral to such agency or attorney), court costs, and/or any other charges necessary for the collection of this debt.
- I authorize the University and/or their respective agents and contractors to contact me regarding my student account at the current or any future number that I provide including my cellular phone or other wireless device using automated telephone dialing equipment or artificial or pre-recorded voice or text messages.
- This agreement is subject to the laws of the State of Alabama, without regard to its conflict or choice of law provisions. I irrevocably consent to the jurisdiction of the state and federal courts located in Montgomery County, Alabama, in any law- suit arising out of or concerning this agreement, or the enforcement of any obligations under this agreement, including any lawsuit to collect amounts that I may owe as a result of this agreement.

The process of acknowledging the Acceptance of Financial Responsibility is completed online through the registration process in Webster. In the event it is not possible to complete it online, a signed form will be required.

## Checks

Checks given in payment of fees and charges are accepted subject to final payment. If the bank on which the check is drawn does not honor the demand for payment and returns the check unpaid, the student will be assessed a handling charge of \$30. The university has the right but not the obligation to redeposit any returned check without notice.

Stop-payment and account-closed checks will be processed as returned items and subject to the same fees and collection costs. A stop-payment placed on a check does not constitute withdrawal from courses. Official withdrawal must be made through the Office of the Registrar.

## Student Account Holds

A hold may be placed on student accounts for the following reasons

- Past due balances
- Financial aid reversals
- Missing social security or tax identification numbers, and/or
- Returned checks.

The hold may be placed on the student account at the-point-in-time one of the above conditions is identified. In some cases, the hold (a registration hold) will prevent a student from performing registration activities for current and future academic terms and will prevent the release of a transcript. A transcript hold always prevents the release of transcripts until the account balance is reduced to zero.

All student accounts will be reviewed after the final payment due date for the academic term to identify and post the necessary registration and transcript holds. Student accounts with balances of \$500 or less will receive a transcript hold. Student accounts with balances over \$500 will receive a registration hold and transcript hold, which will block registration and the release of transcripts.



## Request for Financial Clearance

Students with an account balance of \$3,000 or below may request permission to register by submitting the Request for Financial Clearance Form to the Office of Student Accounts. After the request form is reviewed, the student will receive guidance on the account status and the hold type will be updated to allow registration.

Students with balances above \$3,000 will be unable to register until the balance is reduced to \$3,000. Once the account balance has been reduced to \$3,000 or below, the student may request permission to register by submitting the Request for Financial Clearance Form to the Office of Student Accounts. After the request form is reviewed, the student will receive guidance on the account status and the hold type will be updated to allow registration.

Students who receive financial clearance to register must ensure their account balance or projected account balance, less all pending financial aid and/or scholarships and including all past and new charges, is \$3,000 or below by the registration cancellation deadline of the academic term for which they are registering. The Request for Financial Clearance Form must be submitted for each term, where applicable, in order to have the registration hold removed.

All requests for a hold removal should be directed to: [studentaccounts@aum.edu](mailto:studentaccounts@aum.edu) or 334-244-3286.

## Registration Cancellation

Registration cancellation is a process by which the University cancels class schedules for students that fail to meet their financial obligations by the posted deadlines. The term due date is seven days prior to the class start date. All charges become due and payable at that time. Students will have a payment grace period until the registration cancellation deadline which is the fifth calendar day of each academic term.

Students registered for the academic term will have their class schedules cancelled if their account balance or projected account balance, less all pending financial aid and/or scholarships, exceeds \$3,000. To avoid registration cancellation the student account can be:

- Paid in full
- Covered in full by financial aid or scholarships, or
- Enrolled in a payment plan.

At a minimum the account balance or projected account balance must be below \$3,000.

Note: Awarded financial aid may be used to avoid a student's schedule being cancelled. However, the student remains responsible for the outstanding balance in the event all necessary financial aid steps are not completed or there is a change in amount of financial aid awarded.

## Re-registration

Students whose schedules are cancelled may re-register for classes once the payment requirement is satisfied. Written permission from the instructor and department may be required.

## Resignation and Refunds

Students dropping/resigning before regular classes start are eligible for a refund/ waiver of all tuition and fees. Students dropping/resigning during the refund period after classes begin will be eligible for a partial refund/waiver. The eligible percentage of refund/waiver depends on the day of drop/resignation. The only exception to this policy occurs in the case of personal illness or call to active military duty. Supporting written documentation (i.e., medical reports or military orders) in both instances is required. Refunds for medical withdrawals/resignations may be granted if the effective date of withdrawal is prior to the last day to withdraw from the term and will be prorated based on the number of class days a student is registered. A full waiver/refund of tuition and fees may be granted if a student is called to active military duty.

## Course Waiver/Refund Policy

### Full-Term Classes

- 100% refund through the 5th class day
- 50% refund through the 13th class day

### Half-Term Classes

- 100% refund through the 2nd class day
- 50% refund through the 5th class day

Each course or section of a course is considered to be a separate registration with its own course registration number. Thus, switching from one course to another is a separate registration as is switching sections of the same course.

### Veterans

Veterans enrolled under the federal GI Bill receive allowances directly from the government and are responsible for paying their fees and charges on the same basis as other students (this does not apply to the Veteran's Rehabilitation Program and Post 9/11 Programs).

### Veterans Access, Choice and Accountability Act of 2014

Section 702 of the Veterans Access, Choice and Accountability Act of 2014 ("Choice Act"), requires VA to disapprove programs of education for payment of benefits under the Post-9/11 GI Bill and Montgomery GI Bill-Active Duty at public institutions of higher learning if the schools charge qualifying Veterans and dependents tuition and fees in excess of the rate for resident students for terms beginning after July 1, 2015.

These new requirements will ensure that our Nation's recently discharged Veterans, and their eligible family members, will not have to bear the cost of out-of-state charges while using their well-deserved education benefits.

### DO PUBLIC SCHOOLS HAVE TO OFFER IN-STATE RATES TO ALL VETERANS AND DEPENDENTS TO MEET THE REQUIREMENTS OF SECTION 702?

No. To remain approved for VA's GI Bill programs, schools must charge in-state tuition and fee amounts to "covered individuals." A "covered individual" is defined in the Choice Act as:

- A Veteran who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
- A spouse or child using transferred benefits who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within 3 years of the transferor's discharge from a period of active duty service of 90 days or more.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship who lives in the state in which the institution of higher learning is located (regardless of his/her formal state of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.

Note: Individuals who initially meet the requirements above will maintain "covered individual" status as long as they remain continuously enrolled at the institution of higher learning, even if they are outside the 3-year window or enroll in multiple programs.

### WHAT HAPPENS IF A STATE DOES NOT OFFER IN-STATE TUITION AND FEES TO ALL "COVERED INDIVIDUALS"?

The law requires VA to disapprove programs of education for everyone training under the Post-9/11 GI Bill and the Montgomery GI Bill -Active Duty (MGIB-AD) if in-state tuition and fees are not offered to all "covered individuals."



### **WHAT STEPS MUST BE TAKEN TO ENSURE THAT VETERANS AND THEIR FAMILY MEMBERS CAN RECEIVE VA GI BILL BENEFITS AT PUBLIC SCHOOLS IN MY STATE?**

States must ensure all public institutions of higher learning offering VA-approved programs charge in-state tuition and fees to "covered individuals" as described, to include same-sex spouses and children (biological, adopted, pre-adoptive, and stepchildren of same-sex spouses) after July 1, 2015. To ensure compliance, States should consider offering in-state tuition and fees to all individuals eligible for benefits under the Post-9/11 and MGIB-AD programs.

### **WHEN DO STATES HAVE TO MEET THESE REQUIREMENTS?**

Public institutions must offer in-state tuition and fees to all "covered individuals" for Veterans and family members to be eligible to receive GI Bill benefits for training beginning after July 1, 2015. VA will not issue payments for any students eligible for the Post-9/11 GI Bill or the MGIB-AD until the school becomes fully compliant. VA is in the process of developing waiver criteria for States that are actively pursuing changes to comply with these provisions. More information regarding the waiver criteria will be included in a regulation published in the Federal Register.

### **IF MY SCHOOL BECOMES COMPLIANT AFTER JULY 1, 2015, WHEN WILL VA BEGIN ISSUING PAYMENTS?**

VA will not issue payments under the Post-9/11 GI Bill and MGIB-AD for all students in terms beginning after July 1, 2015, if the requirements of Section 702 are not met, unless a waiver is granted. If the in-state tuition and fee policies are brought into compliance with the requirements after July 1, 2015, and no waiver was previously granted, VA will begin making payments for terms, quarters, or semesters that begin on or after the date that the compliant policies take effect.

### **WHERE CAN I GO TO GET MORE INFORMATION?**

Questions regarding the provisions of Section 702 may be submitted to Section 702. Vbavaco@va.gov. VA will provide updates on its website at [www.benefits.va.gov/gibill](http://www.benefits.va.gov/gibill).

### **Complaint Policy**

Any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

### **Yellow Ribbon Program Agreement**

AUM agrees to participate in the Yellow Ribbon Program under the Post-9/11 GI Bill (authorized under title V of Public Law 110-252) subject to the following terms, conditions and representations and applicable VA regulations:

1. Provide contributions to all eligible individuals who apply for such program in the AUM Office of Veteran Services, regardless of the training rate (i.e., full time versus less than full time) during the academic year.
2. Provide contributions on behalf of a participating individual during the current academic year and all subsequent academic years in which AUM participates in the Yellow Ribbon Program, provided that the individual maintains satisfactory progress, conduct and attendance according to the university's prescribed standards.
3. Agree to limit contributions made on behalf of a participant to funds with unrestricted control (e.g., a scholarship sent directly to AUM on behalf of an individual or specific group of individuals from a third party may not be included in Yellow Ribbon Program contributions). Funds received directly or indirectly from federal sources may not be counted towards contributions.
4. Agree to provide the maximum amount of contributions payable toward the unmet established charges to each participating individual during each term or semester the individual is enrolled. The maximum amount is 50 percent of the individual's unmet established charges.
5. AUM agrees to provide contributions for each Yellow Ribbon Program participant through a university grant.

## Office of Financial Aid

The Office of Financial Aid administers and coordinates various types of undergraduate financial aid at Auburn Montgomery: grants, loans, and work-study. The Office of Financial Aid also works with university departments and outside agencies to coordinate disbursement of scholarship funds.

Students may apply for federal financial assistance for the next academic year beginning on October 1. Financial Aid requests are based on the results of a processed Free Application for Federal Student Aid (FAFSA). The FAFSA may be completed at [www.fafsa.ed.gov](http://www.fafsa.ed.gov), and must be renewed annually. Students are encouraged to submit the FAFSA by the school's March 1 priority date each year.

Attendance monitoring is required by the U. S. Department of Education to support any disbursements made to eligible students receiving federal financial aid. Failure to begin attendance in any course for which a student is registered may require a reduction and/or cancellation in financial aid awarded.

Students receiving federal financial aid (Title IV funds) who withdraw from the University are subject to the Return of Title IV regulations. If a student withdraws (or ceases to attend) prior to completing over 60 percent of the term, a prorated portion of the federal financial aid must be considered unearned and returned to the federal program(s), and could cause the student to owe the University a balance upon withdrawal. See the Return to Title IV Funds Policy later in this section for more details.

## Federal Financial Aid Programs

### Grants

Grants are a type of financial aid that does not have to be repaid, and are typically based on demonstrated financial need. Auburn University at Montgomery offers several types of grants:

- The Federal Pell Grant is available to undergraduate students who have not received a baccalaureate degree and demonstrate financial need as determined by the results of the FAFSA.
- The Federal Supplemental Educational Opportunity Grant (FSEOG) is available to Pell Grant recipients who demonstrate extreme need as determined by the results of the FAFSA. Since FSEOG funds are limited, students meeting the March 1 priority date are given priority consideration.
- The Alabama Student Assistance Program (ASAP) is available to Pell Grant recipients who demonstrate extreme need as determined by the results of the FAFSA. Since ASAP funds are limited, students meeting the March 1 priority date are given first consideration.
- The Federal TEACH Grant is available to students who are completing or plan to complete coursework needed to begin a career in teaching. Details on the requirements and service obligation attached to the TEACH Grant are available on the Financial Aid section of the Auburn Montgomery website at [www.aum.edu](http://www.aum.edu). The grant may be converted to a Federal Direct Unsubsidized Loan if the service obligation is not met by the recipient.

### Loans

Student loan programs provide long-term, low-interest loans for students and/or parents. Students must be degree-seeking and enrolled at least half-time (six undergraduate hours) each term to qualify for federal loans. Not all students are eligible to borrow from all loan programs. Auburn Montgomery offers several types of loans:

- The Federal Direct Subsidized Stafford Loan is available to students who demonstrate financial need as determined by the results of the FAFSA. Interest on this loan does not accrue during eligible periods of enrollment.
- The Federal Direct Unsubsidized Stafford Loan is based on the cost of education as well as annual and aggregate loan limits. Students do not have to demonstrate financial need to be eligible for this loan. Interest on this loan begins to accrue upon disbursement.



- The Federal Direct Parent Loan for Undergraduate Students (PLUS) is available to the parents or adopted parents of a dependent student to meet the cost of education not met by other financial aid assistance. Students do not have to demonstrate financial need for the parent to apply for this credit-based loan. The repayment period on this loan begins 60 days after the loan is fully disbursed.

## Federal Work-Study Program

The Federal Work-Study Program is a federally funded program that provides part-time employment opportunities in various offices on campus and in the community to students who demonstrate financial need as determined by the results of the FAFSA. Students are paid at an hourly rate (typically minimum wage). Since funds are limited, students meeting the March 1 priority date are given priority consideration.

## Satisfactory Academic Progress for Federal Financial Aid Recipients

Students must maintain satisfactory academic progress to be eligible for federal financial aid. This policy contains qualitative (grade-point average), quantitative (credit hour completion rate), and reasonable length of time measure requirements. To review the Satisfactory Academic Progress (SAP) Policy, please visit the Financial Aid section of the Auburn Montgomery website at [www.aum.edu](http://www.aum.edu) for more details. Students wishing to appeal their satisfactory academic progress status should follow the instructions outlined within the policy.

## Return of Title IV Funds Policy

Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws or ceases to attend, the student may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive.

The Return to Title IV Funds Policy applies to recipients of Title IV financial aid who withdraw or cease attending all classes for the payment period or term after aid has been disbursed. Repayment of aid is determined according to this policy. Financial aid recipients considering withdrawing from all coursework are advised to contact the Office of Financial Aid prior to withdrawal.

When a student is considered to have totally withdrawn during a payment period or term in which he/she has begun attendance and received federal Title IV financial aid, the University is required to determine the amount of earned and unearned Title IV aid. A student is only eligible to retain the percentage of Title IV aid disbursed that is equal to the percentage of the payment period or term that was completed by the student. The unearned Title IV aid must then be returned to the appropriate federal aid program(s). If more than 60 percent of the payment period or term has been completed by the student, no Title IV aid needs to be returned.

In accordance with federal regulations, unearned Title IV aid shall be returned to these programs in the following order:

- Federal Direct Unsubsidized Stafford Loan
- Federal Direct Subsidized Stafford Loan
- Federal Direct Parent or Graduate PLUS Loan
- Federal Pell Grant
- Federal Supplemental Educational Opportunity
- Other Title IV Programs

The unearned portion of the aid will be charged back to the student's billing account and must be repaid by the student. A hold will be placed on the student's account by the Office of Student Accounts, if the outstanding balance is not repaid. The Office of Financial Aid will send notification to the student's University email.

account notifying the student of the withdrawal date, the percent of the payment period or term completed, the amount of aid returned to the federal program(s), and the balance the student currently owes. There are three types of withdrawals that fall under the Return to Title IV Funds federal calculation regulations:

- **Official Withdrawals** – Student has completed the formal withdrawal process via the Withdrawal Authorization Form at the Registrar’s Office in person, mail, fax, email, or has dropped all courses through their Webster account. The withdrawal date is the date the student notifies the school of intent to withdraw (Withdrawal Authorization Form received by school) or the date the student resigns from all courses online.
- **Unofficial Withdrawals** – If a student begins to attend class, receives federal Title IV aid, but then ceases to attend class without providing official notification to the University, the federal government considers this to be an “unofficial withdrawal.” This includes students who earn failing grades in all classes, if it is determined the student ceased attending classes prior to the end of the payment period or term. The withdrawal date for students who unofficially withdraw is the last date of attendance reported by the student’s instructor(s). The refund rules for Title IV aid recipients who withdraw are then followed to determine the unearned portion of Title IV aid that must be returned to the appropriate aid program(s).
- **Module Withdrawals** – A module withdrawal refers to a course or courses in a program that do not span the entire length of the payment period or term. If a student withdraws from an individual module and does not complete all of the days he/she was initially scheduled to prior to ceasing attendance, a return of Title IV funds calculation must be performed to determine the percentage of financial aid earned and unearned.

If a student provides written confirmation of his/her intent to attend a future module within the semester, it is not necessary to perform the recalculation, however, the student’s future attendance within the semester must be tracked. If it is determined that the student failed to attend a future module, a recalculation must be performed.

## Additional Information

For more information on the application process, policies, and other general financial aid information, please visit the Financial Aid section of the Auburn Montgomery website at [www.aum.edu/admissions](http://www.aum.edu/admissions).

## Educational Benefits for Veterans

AUM is approved by the Veterans Administration to offer educational training and provide certification for G.I. Bill benefits. Veterans who plan to attend school and expect to receive G.I. Bill benefits should visit the VA Manager in the Office of Veteran Services, located in the Office of Financial Aid to complete the paperwork necessary for AUM to submit enrollment certification for benefit payments.

Eligible veterans receive a monthly stipend that can vary according to enrollment level. Undergraduate students receive full-time benefits if enrolled for at least 12 credit hours, three-quarter time benefits for 9-11 hours and half benefits for at least six hours for a standard term. Post 9/11 recipients will not receive a monthly stipend if their level of enrollment is half-time or less.

When possible, those enrolling and using G.I. Bill benefits to pay for educational costs should have sufficient funds to finance themselves for one semester or at least until payments begin coming from the Veterans Administration (approximately six weeks) after the start of the term.

For complete information about these programs, please contact the Veterans Affairs Manager at 334-244-3288.

The following regulations will apply to all AUM students who receive veterans’ educational benefits:



### **I. Withdrawal**

Students receiving VA educational benefits may withdraw from a course. Training time will be adjusted accordingly if the withdrawal occurs before the deadline for late registration. After that date, a withdrawal with W will be considered the same as audit and VA benefits for that course will be terminated from the beginning of the term. Possible exceptions concerning the payment of benefits may be made where there are extenuating circumstances. Those receiving VA benefits should consult with the Coordinator of Veteran Affairs before resigning or dropping courses.

### **II. Satisfactory Progress**

Students receiving VA educational benefits are expected to make satisfactory progress toward a degree. Normal standards of progress as stated in this catalog are in effect for all students. The VA will not pay to repeat a course that was successfully passed (in accordance with the department's policy) or a course taken for the purpose of improving a student's GPA. To maintain satisfactory progress, the following should be carefully considered:

- A. Develop a close advising relationship with your department advisor.
- B. Take courses essential to your degree program. Veterans or eligible persons cannot receive VA benefits for courses that are not essential to their degree program.
- C. A student receiving VA benefits is required to make satisfactory academic progress by maintaining a minimum overall 2.0 GPA on hours attempted at AUM (Institutional GPA). This measure becomes effective when the student has attempted 24 hours at AUM. Students not making satisfactory academic progress as stated above will not be certified for subsequent terms until meeting the requirements.
- D. Students who fail to meet satisfactory academic progress may appeal the decision to deny certification. Please contact the VA Manager at (334) 244-3288 for questions concerning the appeal process.

### **III. Certification**

Those receiving VA educational benefits must have their attendance certified to the VARO to receive the appropriate remuneration. All VA benefit recipients will be certified/recertified each semester within 30 days of the term start date. It is prudent for all who receive federal VA educational benefits to review their status. Check each semester with the AUM Coordinator of Veterans Affairs to be sure their status is correct. It is the student's responsibility to renew and report his or her correct enrollment status as necessary. Changes in status must be reported to the AUM Coordinator of Veterans Affairs. These changes include: dropping or adding courses, dropping out of school and renewing enrollment, change in VA Chapter, change in major or degree, change in grades, change in transfer credit, or change in attendance.

### **IV. Transcripts**

The VA requires the school to evaluate and maintain transcripts from previous schools the student has attended. For those students who has served or are currently serving in the military this includes transcripts for military training. Military transcripts may be ordered at:

Air Force, Air Force Reserves, and the Air National Guard: [www.au.af.mil/au/ccaf/transcripts.asp](http://www.au.af.mil/au/ccaf/transcripts.asp)

All Others: [jst.doded.mil/smart/signIn.do](http://jst.doded.mil/smart/signIn.do)

### **V. Alabama National Guard Education Assistance Program (ANGEAP)**

ANGEAP is a program established by the State of Alabama to assist the members of the Alabama National Guard with the cost of education. Each year the state establishes a maximum dollar amount an eligible student may receive in tuition and fees. To receive ANGEAP, the student must submit an application for the current award year to the Office of Veteran Services. The Office of Veteran Services will process the student's application according to the guidelines provided by the State of Alabama.

### **VI. Alabama G.I. Dependents' Scholarship Program and Military Tuition Assistance (TA)**

The Alabama G.I. Dependent Scholarship Program and TA is administered by the Office of Student

Accounts. For more information on these programs, please visit the Office of Student Accounts Third Party Billing webpage at <http://www.aum.edu/current-students/records-registrars-office/student-accounts/third-party-billing>

For further information about veterans benefits, visit our financial aid website at <http://www.aum.edu/admissions/scholarships-and-financial-aid/financial-aid/veteran-services>.

## Admission Policies and Procedures

### Application

Auburn Montgomery encourages online application for admission at [www.aum.edu](http://www.aum.edu). Students may apply for admission prior to the start of any semester. In order to ensure that your application is reviewed in a timely manner, it is strongly recommended that supplemental items are submitted at least three weeks prior to the opening of the semester in which admission is desired. In submitting admission credentials, applicants must give complete and accurate information. False or misleading statements can result in denial of admission or cancellation of the student's registration.

Commensurate with available faculty and facilities, favorable consideration for admission will be given to secondary school graduates who hold either a standard or advanced diploma or the equivalent and whose college ability test scores and high school grades indicate a potential for success in fields of study in which enrollment is sought. All students planning to apply for admission should emphasize English, mathematics, social studies, sciences and foreign languages in their high school programs. All prospective undergraduate students are required to submit the following:

1. a completed application,
2. appropriate academic credentials (See following sections),
3. a completed health information form, (See 'Proof of Immunization').

Prospective undergraduate students fall into one of the categories mentioned below and must submit the requirements associated with their category for consideration:

### First-Time Freshmen - Full Admission

1. Applicants who graduated from high school less than three years prior to initial enrollment at AUM must have a minimum ACT composite score of 18 (SAT score of 940) to be considered for full admission. A combination of ACT/SAT scores and GPA will be used to determine admission. A minimum ACT composite score of 18 (SAT score of 940) would require a GPA of no less than 2.3 for full admission.
2. Applicants who graduated from high school more than three years prior to initial enrollment at AUM do not have to submit ACT or SAT scores and may gain full admission with a GPA of not less than 2.3.
3. Applicants with a GED whose high school class graduated within the three years prior to initial enrollment at AUM must have a minimum ACT composite score of 18 (SAT score of 940) to be considered for full admission. A combination of ACT/SAT scores and GED score will be used to determine admission. A minimum ACT composite score of 18 (SAT score of 940) would require a GED composite score of not less than 500 for full admission.
4. Applicants with a GED whose high school class graduated more than three years prior to initial enrollment may gain full admission with a GED composite score of 500.
5. In order to ensure that your application is reviewed in a timely manner, it is strongly recommended that credentials/supplemental items are filed at least three weeks prior to the first day of class.

### First-Time Freshmen - Bridge Admission

Applicants who do not meet requirements for full admission may be granted admission to our Bridge Program. A limited number of applicants will be invited to enroll. Applicants who meet one of the following criteria will be guaranteed admission to Bridge:



1. Applicants who graduate high school with an ACT composite of no less than 17 (SAT 900-939), and high school GPA of 2.3 or higher; or ACT composite of 18 (SAT 940 or higher) and a high school GPA between 2.0 and 2.29 may be granted conditional admission to AUM through Bridge.
2. Applicants who graduated from high school more than three years prior to initial enrollment at AUM whose GPA is less than 2.3 yet equal to or greater than 2.0 may be granted conditional admission to Bridge.
3. Applicants who have completed GED requirements and whose high school class graduated more than three years prior to initial enrollment at AUM may be granted conditional admission via Bridge with a composite GED no less than 450.

Applicants who do not meet the requirements listed above are still encouraged to apply. All applications are evaluated on an individual basis, and exceptions can be made based on the particular merits of an application.

Complete admission credentials must be filed at least three weeks prior to the first day of class of the semester in which admission is desired.

All Bridge students must sign a contract in order to complete the admission process. The contract restricts students from utilizing AUM's grade forgiveness policy and from taking courses as transient/cross enrollment students at other institutions (ROTC cross enrollment at Alabama State University is an exception) until they obtain full admission. Additional contract requirements do apply.

### Transfer Students

To gain admission, transfer students must have attempted 24 or more hours of college level credit at a regionally accredited institution(s) with at least a 2.0 on all GPA hours (all graded hours) from all universities attended. Any applicant who does not meet these requirements must meet the requirements for first-time freshmen.

Transfer course work will be included in the transfer credit evaluation process toward the student's degree plan. A maximum of 64 semester hours may be transferred from community colleges.

The student must be in good standing (eligible to return) to the last institution attended and will need to verify that standing to the AUM Admissions Office with official notification from the previous institution's registrar's office.

### Dual Enrollment

A student who has completed the sophomore year of high school may apply for dual enrollment in order to take classes and earn college credit while still in high school. Students who seek dual enrollment must submit the documents required for first-time freshman applicants. Dual enrollment requires a minimum high school GPA of 3.0 and a minimum ACT composite score of 20 (SAT score of 950), an English score of 18. To enroll in college level math requires a sub score of 20.

### Homeschool Students

Applications are welcomed from students who are home-schooled. These individuals must meet the ACT/SAT and grade point average requirements of the general admission policies for beginning freshmen. They must also present certified transcripts of their courses and grades that have been documented by an agency that has been approved by the State Department of Education to operate within the state in which the agency is located. Students who cannot present certified transcripts of their home-schooling must successfully complete the GED.

## Transient Students

### AUM Students

A student in good standing may, with written permission of the department head of his or her major and of the dean of the college in which he or she is majoring, qualify to enroll as a transient student to another institution for one term. If the student does not receive this written permission prior to going to another school as a transient, course(s) taken will not transfer back to AUM. A student who is not in good academic standing is not authorized to go to another school in transient status. International students can only use three credits of transient classes toward full-time enrollment at AUM.

The conditional classification does not constitute good standing. Students who earned a D or F in a freshman composition class at AUM or an F in a core math class will not be permitted to transfer those courses from another school to offset the AUM grade. Immediately upon completion of the transient course, the student must request an official transcript be sent to the AUM Admissions Office.

### Students from Other Colleges or Universities

A student in good standing at an accredited college or university may be allowed to take AUM courses as a transient student when available faculty and facilities permit. To be eligible, an applicant must complete the on-line transient application. It is the student's responsibility to contact the necessary individuals at his or her current institution regarding the transferability of course work taken at AUM. International students holding a non-immigrant visa must meet AUM's language proficiency requirement for international students.

It is also the responsibility of the transient student to request an official AUM transcript be mailed to the home institution.

Permission to enroll in courses on a transient basis is granted for one semester only and a student seeking re-entry in the transient classification must complete the on-line transient application and submit transient student forms for any additional semesters. It should also be understood that transient student permission does not constitute admission or formal matriculation as a regularly enrolled student; that courses taken and credit hours earned in a transient student classification do not meet residency requirements should the student subsequently decide to transfer to AUM; and that a transient student is subject to the same fees and regulations as a regular student except for standards applied for academic continuation.

It is the responsibility of the transient student to ensure he or she has met all prerequisites for the courses in which he or she wishes to enroll. If at any time a transient student desires admission as a regular student at AUM, a formal application as a transfer student must be made (see previous information regarding admission).

## Second Bachelor's Degree Applicants

Students who wish to pursue a second (or subsequent) bachelor's degree must submit the same admission credentials as transfer applicants. Residency requirements for the awarding of an additional bachelor's degree begin with enrollment after admission in this classification.

Students who were awarded an initial bachelor's degree at AUM and wish to pursue a second degree at AUM must complete a second undergraduate degree application and submit it to the Office of Admissions prior to beginning work on the second degree.

## Unclassified Students

Admission as an unclassified student may be granted on the basis of a bachelor's (or higher) degree from an accredited institution. Admission as an unclassified student can also be granted to students involved in any special programs and/or partnerships. Students wishing to enroll in this classification must submit the same admission credentials as transfer applicants. A degree cannot be granted to students in the unclassified status.



## Audit Students

A student may be allowed to audit a lecture course or the lecture portion of a combined lecture/laboratory course only with the approval of the instructor, department head and dean of the college in which the course is offered and when available faculty and facilities permit.

## Senior Guest Program

Senior adults, age 60 and over, have the opportunity to enroll in many regular college courses as guests of the university. Offered through the AUM Office of the Registrar, this special program allows enrollment at no cost on a space-available basis.

Science lab classes, studio courses in fine arts, study abroad, nursing, and computer classes are not available in this program. Senior guests will not receive credit, will not normally take tests and will not be required to complete assignments. The level of participation is agreed upon by the senior guest and the instructor.

Senior college represents a unique opportunity to pursue learning for its own sake. The university welcomes senior guests as members of the university community, where their ideas, insights and inspiration contribute to lifelong learning.

## Orientation Requirement

All new undergraduate students admitted to AUM (full or conditional) must attend new student orientation. A mandatory orientation fee will be automatically added to each student's university account. Specific information regarding orientation will be provided upon admission to the university.

## Exceptional Student Admission

When an applicant does not meet the established admissions criteria but has demonstrated potential for successful college work, he or she may be eligible to be evaluated for admission by the Exceptional Student Admissions Committee. This committee consists of a representative from the Office of the Provost, the University Registrar, the Director of Admissions and a faculty representative from the student's prospective area of study. The committee's review of the applicant's academic eligibility will include but not necessarily be limited to standardized tests and past classroom performance. Prospective applicants may be required to be interviewed by the committee.

## Proof of Immunization

Effective Fall 2012, Auburn Montgomery will require all incoming students born after January 1, 1957 to provide documentation of proof of immunity to rubella (measles), rubella and mumps by laboratory immunity or evidence of two injections of the Measles, Mumps and Rubella (MMR) vaccine.

Students are also required to submit documentation of a diphtheria, tetanus toxoid and pertussis (TDaP) booster that must not be longer than five years since administration upon entering and through completion of their studies at AUM. Finally, students will submit documentation of either a negative Mantoux tuberculosis skin test or a chest x-ray performed within the 6 months prior to their admission to AUM.

## Graduate Course Work (Senior Privilege)

An AUM undergraduate who is within the last semester of bachelor's level study and has a 3.0 or above undergraduate GPA, may be eligible to register for graduate courses. If the student is accepted into one of the graduate programs, upon graduation, such graduate course work taken as an undergraduate may be applied to the master's degree. The senior privilege is limited to six semester hours. The graduate work taken during senior privilege must generate at least a 3.0 GPA to be eligible for transfer into the graduate program; senior privilege transfer follows the same requirements as transfer of graduate credit from another university. Such work is creditable to a master's degree at AUM upon completion of nine semester hours of graduate work taken after admission to a graduate program. Approval of an undergraduate student to take graduate courses should in no way be construed to constitute admission to a graduate program.

## Admission of International Students

AUM welcomes admission inquiries from international students. International application processing is conducted by AUM Office of Global Initiatives. After a full evaluation, the prospective student will be notified of an admission decision. If the international student is currently in the United States, the student must be "in status" according to U.S. immigration regulations before AUM can process the application.

### Admission Process

1. All documentation for admission must be received by the Office of Global Initiatives at least 45 days prior to the beginning of the term for which the student wishes to enroll.
2. If the evaluation indicates the student can be admitted and meets all admission and immigration requirements, he or she will be sent an acceptance notice and an I-20 Form/DS-2019 Form (if appropriate).
3. Students transferring from a U.S. college or university or wishing to change their course of study at AUM (including attaining a second or higher degree) must be issued a new I-20/DS-2019. Transferring students must complete the Transfer Eligibility Form and return it to AUM with the required information and signatures.

The following items are required for evaluation (students requiring the issuance of an F-1 or J-1 visa have additional requirements identified below):

1. Completed online International Undergraduate Application for Admission.
2. Official transcripts from all schools previously attended (high school and university). If not in English, transcripts must be translated into English by an official translation service.
3. Transcript evaluation by a recognized, expert service or qualified AUM individual(s) in the field of foreign credential evaluations and international admissions as follows:
  - a. For first-time freshmen: A document-by-document evaluation that indicates a minimum 2.3 grade-point average on a 4.0 scale.
  - b. Eligible international transfer students who have 24 semester hours of college level work from an accredited U.S. college or university with no transfer credit from outside the U.S. A course-by-course evaluation of academic credentials that indicates a minimum GPA of 2.0 on a 4.0 scale.

Exceptions:

  - Students enrolling in programs included in a contract between AUM and a foreign government/institution, education agency/company, and/or U.S. military organization.
  - Eligible international transfer students who have 24 semester hours of college level work from an accredited U.S. college or university with no transfer credit from outside the U.S.
4. Satisfactory completion of any one of the following as evidence of English proficiency:
  - a. The Test of English as a Foreign Language (TOEFL). The minimum acceptable score for admission is 500 for paper-based testing (including the Auburn or AUM Institutional TOEFL) or 61 for Internet-based testing. The TOEFL results should be sent directly to the International Admissions Manager by the testing agency and must not be more than 2 years old.
  - b. The International English Language Testing System (IELTS). The minimum acceptable score for admission is 5.5. IELTS results must not be more than 2 years old.
  - c. The Pearson Test of English (PTE). The minimum acceptable score for admission is 44. PTE results should be sent directly to the International Admissions Manager by the testing agency and must not be more than 2 years old.
  - d. Cambridge English Exams (Preliminary, First, Advanced, Proficient, Business Preliminary, Business Vantage, and Business Higher). The minimum acceptable score for admission is CEFR Level B2. Test results should be sent directly to the International Admissions Manager by the testing agency and must not be more than 2 years old.
  - e. International Test of English Proficiency (iTEP). The minimum score for admission is 3.7. The test results must not be more than 2 years old.
  - f. The Scholastic Aptitude Test (SAT). The minimum acceptable score for admission is a composite



score of 860 (Critical Reading and Mathematics only) with a minimum sub-score of 450 on the Critical Reading section.

- g. The American College Testing Program (ACT). The minimum acceptable score for admission is a composite score of 18 with a minimum sub-score of 18 on the English section.
- h. Completion of Auburn University at Montgomery English as a Second Language (ESL) program along with certification by the director of the ESL program that the student has achieved sufficient English proficiency for college level academic courses.
- i. Certificate of Completion of ELS Language Centers' Level 112 Intensive English Program.
- j. Completion of AUGlobal's GLOB0310/GLOB0410 course at Auburn University. A minimum grade of C is required.

Exceptions:

Students who fit into any one of the following categories are exempt from requirement #4.

- Students enrolling in programs included in a contract between AUM and a foreign government/institution, education agency/company, and/or U.S. military organization.
- International students who have satisfactorily completed a high school diploma, a bachelor's degree or master's degree at an accredited U.S. institution.
- International students who have satisfactorily completed 24 semester credit hours or the equivalent of AUM English composition requirements at an accredited U.S. institution.
- International students who are citizens of one of the Exempt Countries listed below.
- International students who have satisfactorily completed the equivalent of a U.S. high school diploma, a bachelor's degree or a master's degree at an institution where English is the medium of instruction in one of the Exempt Countries.

Exempt Countries:

Anguilla, Antigua, Australia, Bahamas, Barbados, Belize, Bermuda, British Solomon Island, British Virgin Islands, Canada (except Quebec), Cayman Islands, Channel Islands, Dominica, Ghana, Grenada, Guyana, Jamaica, Liberia, Montserrat, New Zealand, Republic of Ireland, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, and United Kingdom.

- International students who have scored 488 to 499 on paper-based TOEFL, 57 to 60 on Internet-based TOEFL, 42 to 43 on PTE, 3.5 on iTEP, or 5.0 on IELTS can be admitted into AUM, but they will take a combined load of undergraduate courses and appropriate English as a Second Language (ESL) courses. Students will continue with ESL courses until they meet any one of the criteria listed in #4.

- 5. Specific academic programs might have additional requirements for admission. Contact the International Admissions Manager for program-specific admission requirements.

Note: Students who do not meet the English proficiency requirement for full admission to an AUM academic program may apply for admission to the AUM English as a Second Language (ESL) program. Please visit the AUM ESL website for application information: [www.aum.edu/esl](http://www.aum.edu/esl).

### International Students Requiring the Issuance of an I-20/F-1 Visa or DS-2019/J-1 Visa

International undergraduate students who will be attending AUM on an F-1 or J-1 student visa, including those transferring from another accredited U.S. college or university, must meet all of the requirements identified above and also provide the following documentation:

1. Evidence in the form of an official letter from a bank or other financial institution of sufficient financial resources to meet college expenses for the first year of study. If a sponsor's account is used, a letter from the sponsor stating the intent to assist with the student's educational expenses is also required. International students will be required to pay non-resident tuition.
2. Copy of passport (bio page only).

## Enrollment Policies

An international student on an F-1 or J-1 visa must attend AUM on a full-time basis in the program identified on the I-20 Form/DS-2019 Form. In addition, academic degree students must attend AUM for the fall and spring semesters during the year in order to remain in current status with U.S. immigration regulations. English as a Second Language students must attend AUM for four consecutive ESL terms during the year in order to remain in current status with U.S. immigration regulations.

All AUM international students (F-1/J-1 visas) and their dependents (F-2 and J-2 visas) are required to participate in the AUM Group Health Insurance Plan. The cost of insurance plans for international students and their dependents is the responsibility of the student, as appropriate.

## International Student Employment Policies

A student issued an I-20 may accept on-campus employment at AUM without prior approval from the U.S. Immigration Service as soon as he/she is enrolled in a full-time program at AUM. On-campus employment undertaken pursuant to the terms of a scholarship, fellowship or assistantship is considered to be part of a student's program of study if the student is in good academic standing and is enrolled in a full-time course of study. On-campus employment is limited and should not be relied upon to assist the student financially while attending AUM. In addition, on-campus employment is limited to a maximum of 20 hours per week.

Off-campus employment is specifically prohibited during the first two semesters of continuous, full-time enrollment in F-1 student status. After the first year, an F-1 student may apply for Optional Practical Training (OPT) or Curricular Practical Training (CPT). Employment must be directly related to the field of study, and CPT must be an integral part of the student's curriculum. A student may also apply for economic hardship work permission, which requires demonstration of economic necessity due to unforeseen circumstances arising subsequent to arrival in the United States. In all cases, the student must be in good academic standing and must demonstrate that acceptance of employment will not interfere with a full-time course load.

## Responsibility

It is the international student's responsibility to ensure that he or she is "in status" in accordance with U.S. immigration regulations and that the I-20 Form/DS-2019 Form has the necessary signature and is valid each time the student desires to temporarily leave the United States.

## International Transfer Credit Articulation

1. Post-secondary work in a country other than the United States must be recognized by the respective Ministry of Education or governing educational body to be eligible for articulation.
2. Any student, domestic or international, that completes any post-secondary coursework at an international institution shall have their potential transfer credit articulated through the Registrar's office. At the present time, this will not include articulation of Study Abroad credits within the expected scope of work.
3. AUM will accept the following sources of transfer credit:
  - Cambridge International A and AS level Exams:** Transfer credit may be awarded for AS-level or A-level examinations with a grade of E and above.
  - German Abitur (Zeugnis der Allgemeinen Hochschulreife):** Transfer credit may be awarded to students who have scored passing grades on the Abitur examination administered during the 13th year of secondary school. No Abitur score below the minimum passing grade of 4 will be considered. No advanced standing will be offered to students whose secondary school education terminates at the 12th year, regardless of Abitur results.
  - International Baccalaureate:** Students who complete the IB may be eligible for transfer credit.
  - Colleges and Universities:** There is no limit on the number of credits that can be transferred from a university. However, students must complete a minimum of 25% of the total credit hours required for graduation in residence at AUM.
4. AUM shall view the completion of secondary school in the home country as equivalent to US completion of secondary school with no additional credit offered regardless of time required to complete home



- country's secondary school level. The only exceptions to this rule are the following exams: Abitur following thirteen years of primary and secondary education, International Baccalaureate, and Advanced Subsidiary (AS) and Advanced (A) Level results from the General Certificate of Secondary Education. The AS and A Level results must be issued by one of the following examination boards: Assessment and Qualifications Alliance (AQA), Oxford, Cambridge and RSA Examinations (OCR), Edexcel, Welsh Joint Education Committee (WJEC), and the Council for the Curriculum, Examinations & Assessment (CCEA).
5. Every student admitted to AUM shall have an educational credential evaluation completed by AUM's credential evaluator, regardless if student has already had an evaluation completed by an accredited evaluation agency such as WES, ECE, Lisano, etc. In order to increase transparency and equity, credential evaluations completed by outside agencies shall be used for admissions purposes only.
  6. The number of credits awarded shall not exceed the number offered at AUM even if the student's credential appears to indicate hours exceeding the average credit standard (i.e. 3.0 credit hours) for a specific course.
  7. Coursework that closely matches the descriptions of classes taught at AUM shall transfer as direct course equivalency credits.
    - a. Amount of credit awarded is the same credit hour amount listed in the current AUM catalog regardless of transcript evaluation normalization to US semester hours (i.e. if credential evaluation indicates 1.4 US semester hours and there is a direct AUM equivalent, then the AUM number of credit hours will be awarded).
    - b. If a faculty chair deems a course to be equivalent to an AUM core curriculum requirement, then that class shall automatically be accepted as core unless overruled by the Associate Provost of Undergraduate Studies.
  8. Transfer courses that do not have direct course equivalents at AUM will transfer as elective credits within the appropriate academic department or as general elective credits. General elective credits will apply only toward the total number of credits required for graduation, but not toward fulfilling core or major requirements.
  9. Transfer credit shall not be given for English classes taken in a country where the native language is not English.
  10. Once course articulation has been evaluated by a designated faculty member and a decision made, the student must supply additional information in order to have the coursework reviewed a second time.
  11. Credit shall be articulated in two places in AUM's Banner system:
    - 1) individual student records, and
    - 2) as a single institutional record similar to a university catalog.
  12. All international transfer students or international freshman who have the potential for advanced standing shall be required to follow the AUM transfer articulation process except in those cases where there is an unexpired, fully executed written agreement with a complete transfer articulation of all potential coursework embedded within the document.

### Alabama and Non-Alabama Student Policy

For the purpose of assessing fees, applicants shall be classified as Alabama or non-Alabama students. Non-Alabama students are required to pay a non-resident tuition fee. All students registering at Auburn University at Montgomery (AUM) who come to the state of Alabama from another state for the purpose of attending school will be considered a "non-resident student" for tuition purposes. Classification of students as a non-resident shall be made at the time of their initial admission to the university and the non-resident status shall continue unchanged through all registrations at the university until and unless satisfactory evidence is provided supporting that the student's reason for coming to and remaining in the state has changed. Documents which are at least one (1) year old from the date of issue are often, but not always, more probative than those that are less than one year old. In determining Alabama student status for purposes of assessing fees, the burden of proof is on the applicant.

An Alabama student/resident is a citizen of the United States, or legal permanent resident who, at the time of admission to the university:

- Is not a "minor" and is a resident of the state of Alabama and has been a resident of the state for at least 12 consecutive months immediately preceding the date of initial registration; or
- Is a "minor" and whose "supporting person(s)" is a resident of the state of Alabama and has been a resident of the state for at least 12 consecutive months immediately preceding the date of initial registration; or
- One who, at the time of registration, is not a "minor" and:
  - Is a full-time, permanent employee of AUM or is the spouse of such an employee;
  - Can verify full-time permanent employment within the State of Alabama or is the spouse of such an employee and will commence said employment within 90 days of registration with the institution;
  - Is a spouse by legal marriage of a bona fide Alabama resident;
  - Is a member or the spouse of a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school (members of the National Guard or Reserves are not included in this provision);
  - Has been a member of the Alabama National Guard for a period of at least two years immediately preceding the student qualifying for resident tuition and continues to be a member of the Alabama National Guard while enrolled at the public institution of higher education;
  - Is an accredited member or the spouse of an accredited member of a consular staff assigned to duties in Alabama;
  - Is a non-resident undergraduate student who has been awarded a full-time academic, athletic or other similar performance tuition scholarship by AUM, or a graduate student appointed on assistantships of at least one-fourth time;
  - Is a non-resident student enrolled in programs included in the Southern Regional Education Board Academic Common Market, provided the student does not change to another program that does not fall under this category. In a case of change, the student will be classified as nonresident for tuition purposes;
- OR
- One who, at the time of initial registration, is a "minor" and whose "supporting person(s)":
  - Is a full-time, permanent employee of AUM;
  - Can verify full-time permanent employment within the State of Alabama and will commence said employment within 90 days of student's registration with AUM;
  - Is a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school. (Members of the National Guard or Reserves are not included in this provision);
  - Is an accredited member of a consular staff assigned to duties in Alabama.

A non-resident student is one who does not meet the criteria for a "resident student" as specified in the preceding section.

Questions regarding resident and non-resident status for tuition change purposes should be directed to Auburn University at Montgomery, Admissions Office, PO Box 244023, Montgomery, AL 36124-4023; (334) 244-3615; [admissions@aum.edu](mailto:admissions@aum.edu) or by visiting us on the web at <http://www.aum.edu/admissions/residency-requirements>.

### Initial Determination of Eligibility

In order to be initially classified as eligible for resident tuition, students must demonstrate that they or their parent, guardian or spouse qualify for one of the eligibility categories prior to the first day of class. A signed statement is required, attesting that qualification for the eligibility category claimed has been met prior to registration.

### Change in Eligibility for Resident Tuition

Students determined to be eligible for resident tuition will maintain that eligibility upon re-enrollment within 12 months of their most recent enrollment unless there is evidence that the student subsequently has abandoned resident status (for example, registering to vote in another state). Students failing to re-enroll within 12 months must establish eligibility upon re-enrollment.



Students initially classified as ineligible for resident tuition will retain that classification for tuition purposes until they provide clear and convincing evidence they have established permanent domicile in Alabama. The burden of proof of change in eligibility rests on those requesting change. Evidence relevant to an initial determination of eligibility is also relevant to establishing a change in eligibility.

Non-resident students who carry a full academic load considered normal (12 or more hours per term) for students at AUM will be presumed to be in Alabama primarily for the purpose of gaining an education and, thus, have not demonstrated the intent to establish a true domicile in Alabama. Clear and convincing proof may overcome this presumption, but again, the burden of proof rests on those requesting change in eligibility. Any change in resident tuition eligibility occurring during an academic term will not become effective until the registration for the succeeding term.

The following types of evidence may contain data to establish 12-month residency in Alabama. In all cases the person must be at least 19 years of age or married and financially independent. Otherwise, the person's residency will be based on that of the parent or guardian.

1. Ownership or rental of residential property in Alabama and continuous occupation thereof on an extended term of not less than 12 consecutive months.
2. Full-time permanent employment in Alabama.
3. Possession of Alabama licenses required to do business or practice a profession in Alabama.
4. Legal marriage to a bona fide Alabama resident.
5. Registration to vote in Alabama.
6. Filing of Alabama resident income tax returns.
7. Holding of a current Alabama driver's license.
8. Registration of a vehicle in Alabama and payment of property taxes thereon.
9. Evidence of banking activity within Alabama for 12 consecutive months prior to making application for residency change.

The Admissions Office at AUM determines whether a student will be classified as an Alabama or non-Alabama student. The decision is subject to review by the chancellor at AUM or his designated representative, upon written request of the applicant.

## General University Policies

### Equal Opportunity

Auburn University at Montgomery is committed to providing a working and academic environment free from prohibited discrimination and harassment and to fostering a nurturing and vibrant community founded upon the fundamental dignity and worth of all its members.

### Accommodation for Individuals with Disabilities

The AUM Center for Disability Services has the responsibility of determining a student's need for academic accommodations. This determination is made through the reviewing of disability documentation and an interactive meeting with the student requesting academic adjustments. For students receiving academic accommodations through the Center for Disability Services, informal grievance procedures are available to resolve accommodation and other disability related complaints in a timely manner. The University will not discourage students from pursuing a formal grievance in lieu of the informal grievance procedures. The informal and formal grievance procedures that follow apply to students who believe their rights may have been violated under Section 504 of the Rehabilitation Act of 1973 (Section 504) and/or the Americans with Disabilities Act of 1990 (ADA). Students not registered with the Center for Disability Services also have the opportunity to file a formal grievance when they believe their rights may have been violated.

If a student believes he or she has been discriminated against regarding academic accommodations on the basis of a disability by a student, employee, or third party, the student should contact:

Dr. Phill Johnson  
504 Compliance Officer  
211A Library Tower  
Phone: 334-244-3200  
E-mail: pjohns23@aum.edu

Dr. Johnson is the person designated to coordinate the University's compliance with Section 504 of the Rehabilitation Act and Title II of the Americans with Disabilities Act and to handle inquiries regarding the non-discrimination policies.

### **Drug-Free Campus and Workplace Policy**

Auburn University at Montgomery (AUM) remains committed to providing an academic and work environment free of alcohol abuse and illegal drugs within which to 1) achieve the University's mission for our students; 2) maximize the skills and talents of our employees; 3) create a culture that respects and supports individual freedom and 4) promote individual responsibility, health and safety, and community welfare. To that end, the unlawful use, possession, sale, distribution, or manufacture of alcohol or controlled substances is strictly prohibited on University properties or as part of University activities. This policy is implemented in compliance with the Drug-Free Schools and Communities Act Amendments of 1989 to promote the mission of the institution.

All faculty, staff, and students of the AUM community are responsible for becoming familiar and complying fully with the requirements of federal, state, and local laws as well as all University policies related to alcohol and other drugs that prohibit the unlawful use, possession, sale, distribution, or manufacture of alcohol or controlled substances on University property or as part of University activities.

The University will impose sanctions (consistent with local, state and federal law) upon all students who are found in violation of Auburn University at Montgomery's Student Discipline Code to include the universities Drug Free Campus and Workplace policy.

- Warning
- Community Service
- Restitution
- Education
- Probation
- Suspension

A link to the Biennial Report and the complete Drug-Free Campus and Workplace Policy can be found in the student handbook.

### **Prohibited Discrimination & Harassment Policy**

In accordance with applicable federal law, Auburn University at Montgomery complies with all regulations regarding unlawful discrimination against or harassment of its students. Any form of discrimination or harassment related to protected classes such as a student's race, color, sex, religion, national origin, age, sexual orientation, gender identity, gender expression, veteran status, genetic information, or disability is a violation of University policy. Any violation of this policy will be treated as a disciplinary matter. This policy is intended to cover any prohibited harassment of or discrimination against a student by other students, employees, or University agents. This policy also covers harassment of students by non-employees on University property or while engaged in University sponsored activities, as well as prohibited discrimination against students by University contractors. Student-on-student complaints of sex/gender harassment or sexual misconduct, up to and including sexual assault, will be handled according to the University's Title IX Policy & Grievance Procedures.



Harassment in academic settings and in the employment arena where students are involved is defined as:

Conduct (physical, verbal, graphic, written, or electronic) that is (1) unwelcome; (2) discriminatory on the basis of a protected class referenced in the above policy; (3) directed at an individual or group in one of the protected classes outlined in this policy; and (4) that is sufficiently serious to interfere with or limit a student's ability to participate in or benefit from the services, activities, or opportunities offered by the University.

Students who believe they have been discriminated against or harassed on the basis of their protected class by faculty, staff members, students, or third parties (such as members of the general public or University contractors while on University property or while engaged in University sponsored activities) should immediately report incidents to the Office of Human Resources or Student Affairs as indicated below:

Nicole Whitehead, Ed.D.  
Chief Human Resources Officer  
AA/EEO/ADA and Deputy Title IX Coordinator  
Office of Human Resources  
Library Tower 9<sup>th</sup> Floor  
Phone: 334-244-3641  
E-mail: HR@aum.edu

C. Nicole Thompson, Ed.D.  
Assistant Vice Chancellor for Student Affairs  
Deputy Title IX Coordinator  
Office of Accountability and Advocacy  
163 Taylor Center  
Phone: 334-244-3106  
E-mail: cthomp23@aum.edu

## Civil Rights Compliance

AUM is an equal opportunity/equal access educational institution. The university complies with the regulations of Titles VI and VII of the Civil Rights Act of 1964, the Age Discrimination Act, the Age Discrimination in Employment Act, Title IX of the Education Amendments of 1972, Sections 503/504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans Readjustment Assistance Act and the Americans with Disabilities Act of 1990.

Any employee wishing to file a complaint covered by the above should contact the EEOC/Affirmative Action officer in the Human Resources Office, 334-244-3253, between 8 a.m. and 5 p.m., Monday through Friday. Any student wishing to file a complaint covered by the above should contact the Vice Chancellor of Student Affairs, 334-244-3200, between 8 a.m. and 5 p.m., Monday through Friday.

## Non-discrimination Statement

In compliance with Title IX of the Education Amendments of 1972, Title VI and VII of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, and other federal, state, and local laws, Auburn University at Montgomery does not discriminate against students on the basis of race, color, sex (which includes sexual orientation, gender identity, and gender expression), national origin, age, religion, or disability or veteran status in admission or financial aid programs, educational programs or activities, or employment processes.

## Title IX (Sex/Gender Discrimination)

All personnel including faculty, administrators, staff members, and students will be expected to comply with Title IX of the Education Amendments of 1972 (20 U.S. Code § 1681) which mandates that no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving federal financial assistance. Appropriate disciplinary action, up to and including termination or expulsion, will be taken against anyone who violates this policy or procedures in accordance with relevant AUM disciplinary procedures for that person's association with the University (faculty, administrators, staff members, or students).

Leslie Meadows is the AUM Title IX Coordinator and is responsible for overseeing all Title IX complaints and identifying and addressing any patterns or systematic problems that arise during the review of such complaints. The Title IX Coordinator also ensures that adequate, reliable, and impartial investigations are conducted on all complaints. The Title IX Coordinator is available to meet with students and employees as needed.

Inquiries regarding Title IX Policy and Grievance Procedures can be made directly to:

Leslie Meadows, Title IX Coordinator  
Office of Human Resources and Affirmative Action  
7400 East Drive, Taylor Center 151  
Montgomery, Alabama 36117  
Phone: (334) 244-3755  
Fax: (334) 244-3751  
Email: lmeadows@aum.edu

Alternatively, Title IX complaints can be reported directly to any one of the following Deputy Title IX Coordinators:

Kenneth Jones, Deputy Title IX Coordinator  
Campus Police  
7400 East Drive, 9th Floor Library Tower  
Montgomery, Alabama 36117  
Phone: (334) 244-3487  
Fax: (334) 244-3419  
Email: kjone108@aum.edu

Dr. C. Nichole Thompson, Deputy Title IX Coordinator  
Office of Diversity and Inclusion  
7400 East Drive, Taylor Center 163  
Montgomery, Alabama 36117  
Phone: (334) 244-3106  
Fax: (334) 244-3619  
Email: cthomp23@aum.edu

Dr. Janice Lyn, Deputy Title IX Coordinator  
Office of the Dean of Students  
7400 East Drive, Taylor Center 163  
Montgomery, Alabama 36117  
Phone: (334) 244-3028  
Fax: (334) 244-3619  
Email: jllyn@aum.edu

Bradley Robbins, Deputy Title IX Coordinator  
Career Development Center 323  
7400 East Drive, Taylor Center  
Montgomery, Alabama 36117  
Phone: (334) 244-3345  
Fax: (334) 394-5937  
Email: brobbin2@aum.edu

Dr. Glen Ray, Deputy Title IX Coordinator  
School of Sciences - Psychology  
7400 East Drive, 210 Goodwyn Hall  
Montgomery, Alabama 36117  
Phone: (334) 244-3690  
Fax: (334) 244-3826  
Email: gray@aum.edu

Dr. Nicole Whitehead, Deputy Title IX Coordinator  
Office of Human Resources and Affirmative Action  
7400 East Drive, Library Tower 9<sup>th</sup> Floor  
Montgomery, Alabama 36117  
Phone: (334) 244-3641  
Fax: (334) 244-3751  
Email: nicole.whitehead@aum.edu

Jessie Rosa, Deputy Title IX Coordinator  
Athletics  
7400 East Drive, Physical Education  
Montgomery, Alabama 36117  
Phone: (334) 244-3712  
Fax: (334) 244-3886  
Email: jrosa@aum.edu

Individuals with complaints of this nature also always have the right to file a formal complaint with the:

United States Department of Education  
Office for Civil Rights (OCR)  
400 Maryland Avenue, SW  
Washington, DC 20202-1100  
Customer Service Hotline: 800-421-3481  
Fax: 202-453-6012



TDD: 877-521-2172

Email: OCR@ed.gov

Web: <http://www.ed.gov/ocr>

### Smoke-Free and Tobacco-Free Campus Policy

In recognition of tobacco health risks and environmental hazards, Auburn University at Montgomery intends to provide a smoke-free and tobacco-free environment for its faculty, staff, students, and visitors. This policy applied to all students, faculty, staff, consultants, contractors, and visitors. For purpose of this policy, "smoking" is defined as inhaling, exhaling, burning, or possessing lighted tobacco products, including cigarettes, cigars, pipe tobacco, and hookahs. This policy also prohibits the use of electronic or e-cigarettes. For purpose of this policy "smokeless tobacco" is defined as chewing tobacco or tobacco powder.

1. Smoking or the use of smokeless tobacco is prohibited within all University buildings, facilities, and University-owned vehicles, as well as on the grounds of the University and on the grounds of and within property leased to or managed by the University (regardless of accepted policy or practices established by other parties with whom the University and its employees may share space) with the exception of:
  - a. Controlled research, or educational, theatrical, or religious ceremonial purposes, with prior approval from the Dean, Provost, or Vice Chancellor responsible for the unit.
  - b. Privately-owned vehicles.
  - c. Locations outside of the defined Auburn Montgomery campus perimeter.
2. Littering the campus with the remains of disposable tobacco products is prohibited.
3. Assistance with smoking cessation for students, faculty and staff is available through Auburn University Harrison School of Pharmacy, "Pack It Up" cessation program (334-844-4099) or through the state of Alabama QUITNOW program (1-800-QUITNOW).

### Weapons

AUM prohibits the possession, use and transportation on university properties of any dangerous or potentially dangerous weapons, including fixed-blade knives, shot- guns, rifles, handguns, bows and arrows, crossbows, brass knuckles, air guns, swords and fireworks or explosive devices. The complete Weapons Policy can be found in the AUM student handbook.

### Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day Auburn University at Montgomery ("University") receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The university official will arrange for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA. A student who wishes to ask Auburn University at Montgomery to amend a record should write the university official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If Auburn University at Montgomery decides not to amend the record as requested, the university will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Auburn



University at Montgomery to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW Washington, DC 20202

4. The right to provide written consent before Auburn University at Montgomery discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent. Auburn University at Montgomery discloses education records without a student's prior written consent under the FERPA exception for disclosure to university officials with legitimate educational interests. A university official is typically a person employed by Auburn University at Montgomery in an administrative, supervisory, academic, research, or support staff position (including law enforcement personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A university official also may include a volunteer or contractor outside of the university who performs an institutional service or function for which the university would otherwise use its own employees and who is under the direct control of the university with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another university official in performing his or her tasks. A university official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the Auburn University at Montgomery. Upon request, the university also discloses education records without consent to officials of another university in which a student seeks or intends to enroll. FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in § 99.31 of the FERPA regulations. Except for disclosures to university officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, § 99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student –
  - i. To other university officials, including professors, within Auburn University at Montgomery whom the university has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the university has outsourced institutional services or functions, provided that the conditions listed in § 99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(3) are met. (§ 99.31(a)(1))
  - ii. To officials of another university where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of § 99.34. (§ 99.31(a)(2))
  - iii. To authorized representatives of the U. S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§ 99.31(a)(3) and 99.35)
  - iv. In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§ 99.31(a)(4))
  - v. To organizations conducting studies for, or on behalf of, the university, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§ 99.31(a)(6))
  - vi. To accrediting organizations to carry out their accrediting functions. (§ 99.31(a)(7))



- vii. To parents of an eligible student if the student is a dependent for IRS tax purposes. (§ 99.31(a)(8))
  - viii. To comply with a judicial order or lawfully issued subpoena. (§ 99.31(a)(9))
  - ix. To appropriate officials in connection with a health or safety emergency, subject to § 99.36. (§ 99.31(a)(10))
  - x. Information the university has designated as "directory information" under § 99.37. (§ 99.31(a)(11))
  - xi. To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of § 99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§ 99.31(a)(13))
  - xii. To the general public, the final results of a disciplinary proceeding, subject to the requirements of § 99.39, if the university determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the university's rules or policies with respect to the allegation made against him or her. (§ 99.31(a)(14))
  - xiii. To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the university, governing the use or possession of alcohol or a controlled substance if the university determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))
5. At its discretion, Auburn University at Montgomery may also provide directory information. Directory information is defined as information contained in an education record of a student that would not generally be considered harmful or an invasion of privacy if disclosed. Designated directory information at Auburn University at Montgomery includes the following:
- i. Student's name
  - ii. Address
  - iii. Telephone listing
  - iv. Electronic mail address
  - v. Photograph
  - vi. Date and place of birth
  - vii. Major field of study
  - viii. Dates of attendance
  - ix. Grade level
  - x. Enrollment status (e.g. undergraduate or graduate, full-time or part-time)
  - xi. Participation in officially recognized sports
  - xii. Weight and height of members of athletic teams
  - xiii. Degrees, honors and awards received
  - xiv. Most recent educational agency or institution attended
6. Students may block the public disclosure of directory information by notifying the Office of the Registrar in writing.
- i. Please consider very carefully the consequences of a decision to withhold directory information. A non-disclosure block will call for AUM not to release any of this directory information; thus, any future request for such information from non-institutional persons or organizations will be refused. AUM will honor your request to withhold directory information but cannot assume responsibility to contact you for subsequent permission to release this information. Regardless of the effect upon you, AUM assumes no liability as a result of honoring your instructions that such information be withheld. Although the initial request may be filed at any time, request for non-disclosure will be honored by the university until removed, in writing, by the student.

## General Information

### Medical Treatment for AUM Students

A primary care student health clinic is available to students at the Student Health Services Clinic in Irma B. Moore Hall, Room 102. For a nominal co-payment, students can be seen for problem-oriented visits by a certified registered nurse practitioner. Preventive health services, including health screening, physical examinations, immunizations, women's health examinations, contraceptive counseling and laboratory

testing are available at reasonable rates. Regularly scheduled health education programs, distribution of protective devices and health education materials are offered through the center.

The clinic is open during regularly scheduled university semester sessions for currently enrolled AUM students with a valid student I.D. The clinic hours are 8 a.m. to 5 p.m., Monday through Friday, and patients are seen from 8:15 a.m. to 4:30 p.m. Walk-ins are welcome; however, appointments are given priority and can be made by calling 334-244-3281. TDD users may call 334-244-3801.

Health insurance is highly recommended to all students attending AUM to cover accidents and emergency illnesses. Those students who are not covered under an insurance program are encouraged to participate in the voluntary low-cost student health insurance program available to enrolled AUM students. Additional information can be obtained from the Office of Student Affairs, 334-244-3620. TDD users may call 334-244-3801. Note: At this time, Student Health Services is able to accept cash, checks, or major credit cards (excluding American Express) as forms of payment.

### **Division of Student Affairs**

The Division of Student Affairs encompasses the areas of student involvement and leadership, counseling services, services for students with disabilities, career development resources, Greek life, international student activities, student accountability and advocacy, diversity and inclusion, orientation, a Global Education Center, over 60 student organizations, and much more. The office of the Vice Chancellor of Student Affairs is located in the Taylor Center Room 163 and the phone number is 334.244.3620. Please call for more information.

### **Office of Diversity and Inclusion**

The Office of Diversity and Inclusion works to achieve institutional diversity through campus-wide partnerships and collaborations. We believe all people are unique and should be treated with respect and dignity. We also recognize the diversity of individuals and their experiences, ideas, beliefs and cultures, and we're committed to cultivating an environment which fosters respect and dignity for all. The Office of Diversity and Inclusion provides leadership in three specific areas: Educational awareness, community partnerships, supplemental recruitment/retention strategies, and enhanced diversification of curricular and co-curricular initiatives. For more information, please email [diversity@aum.edu](mailto:diversity@aum.edu) or call 334-244-3106.

### **Office of Student Involvement and Leadership Programs**

The Office of Student Involvement and Leadership provides leadership and coordination for co-curricular programs on campus to enhance and complement the academic experience. These programs include the Student Government Association, Campus Activities Board, fraternities and sororities, registration of student organizations, service to the community and event authorization. Students wishing to receive information about campus life or establishing a new student organization should call 334-244-3829.

### **Office of Orientation and Transitions**

The Office of Orientation and Transitions provides programs and services to help new students make successful personal, academic and social adjustments to Auburn University at Montgomery. Some of the programs supported by the Office of Orientation and Transitions are: New Student Orientations, Warhawk W.O.W. (Weeks Of Welcome), and the S.W.O.T. Team (Successful Warhawk Orientation Transition Team). For more information, please email [orientation@aum.edu](mailto:orientation@aum.edu) or call 334-244-3158.

### **Student Government Association**

The Student Government Association (SGA) is composed of AUM students of all majors and rankings. Each enrolled AUM student is a member of the Student Government Association, which is the official governing body of the students. The SGA serves the university by representing the entire spectrum of the student body, organizing and directing student concerns through proper channels and working to provide students with the resources they need to succeed. Through the SGA, students are involved in the decision-making process



of the university. In addition, the SGA cultivates students to become successful peer leaders by promoting academic and social engagement. It works in partnership with many university and community committees and organizations and encourages student involvement in student activities and campus initiatives.

Additional information about the SGA can be found on the SGA webpage on the AUM website or by contacting the Student Involvement and Leadership Programs Office at 334-244-3655.

## Athletics

AUM offers a comprehensive program for student-athletes who wish to participate in intercollegiate athletics. Men's varsity sports include baseball, basketball, cross country, soccer and tennis. Women's varsity sports include basketball, cross country, soccer, softball, tennis and volleyball.

The Warhawks will begin competition in the Gulf South Conference (GSC) in the fall of 2017 and are governed by National Collegiate Athletic Association (NCAA) Division II rules. While the NCAA has established standards for student-athletes to compete in intercollegiate sports, each institution must also fit the standards into its mission and academic standards.

When students are admitted under "conditional" status (Bridge Program), they may participate in intercollegiate sports under the following conditions:

1. They have been deemed a NCAA Final Academic Qualifier and received Final Amateurism Certification.
2. They must fulfill the obligations outlined in the Bridge Program contract that all BRIDGE students sign upon enrollment.
3. They will receive advising from the Bridge Program advisor in the Warhawk Academic Success Center on course selection until they have met the requirements for full admission to the university.
4. As a Bridge Program student, each student-athlete must take no more than four college credit generating courses (minimum of 12 college credit generating hours), in addition to any required remedial courses.
5. In courses where grades are assigned, a minimum of C must be earned. The student is expected to pass all non-graded (remedial) courses.
6. According to the NCAA, freshmen must pass at least 9 college credit generating hours in their first term of attendance with a GPA of 2.0 in order to be eligible to participate in competition the next term.
7. Upon successful completion of the Bridge Program in the first term of attendance, the student will advance to full admission.
8. In the second term of attendance, the student will be allowed to enroll full-time and must maintain an overall GPA of 2.0 in courses where grades are assigned.
9. As an AUM student, the student athlete will comply with all AUM rules for continued enrollment as well as NCAA and Gulf South Conference rules for athletic competition.

## Intramural Programs

AUM offers a number of individual and team sports for both men and women. They range from flag football to basketball, from softball to non-traditional sports like table tennis, dodgeball and sand volleyball.

Intramural Sports offers a great opportunity to engage in competition and meet other students, faculty and staff. Everyone is welcome regardless of your skill level. For more information on Intramural Sports visit [www.imleagues.com/aum](http://www.imleagues.com/aum) or call 334-244-3933.

## Auburn Montgomery Alumni Association

The Auburn Montgomery Alumni Association was established in 1979. When you join, you are in good company. You are part of a group of friends and family who play a vital role in making Auburn Montgomery an even stronger university. The alumni association has awarded more than \$200,000 in scholarships and also funds a professorship that recognizes and helps retain dedicated, exceptional professors.

All former students, alumni and friends of the university may join the association as either an annual member for \$35 or lifetime member for \$500 (this may be paid at once or given over a five-year period). Student

memberships are also available at a discounted rate. In addition to membership, your annual fund participation helps the university meet unrestricted needs, provide scholarships and enhance educational programs.

Your membership supports Auburn Montgomery and its programs, but members benefit also. Members may participate in events that bring the family closer together and also receive these advantages:

- Access to the Auburn University and Auburn Montgomery Alumni Hospitality Tent, which offers food and entertainment during the Auburn football season. The tent opens three hours prior to every home game and is free to all members.
- Job placement and résumé assistance from Auburn Montgomery Career Services.
- Access to the Auburn Montgomery library.
- Use of on campus computer labs for Internet access and software
- A \$10 discount on Continuing Education courses.
- A 10 percent discount at the Auburn Montgomery bookstore, including textbooks.
- Half-price admission to Auburn Montgomery sporting events.
- Free admission for you and a guest to Theatre AUM productions.
- Opportunity to join the Wellness Center
- The opportunity to carry Bank of America's Auburn Montgomery Affinity credit card, which generates funds for association programs.

For further information regarding the alumni association, call the Office of Advancement, 334-244-3369, email them at [alumni@aum.edu](mailto:alumni@aum.edu) or visit <http://www.aum.edu/alumni/alumni-home>.

## Student Email Policy

At Auburn Montgomery, email is considered an official medium for communicating with students. All students are responsible for checking their AUM-issued email accounts in a timely fashion and on a regular basis. The official email system for students is identified by [username@aum.edu](mailto:username@aum.edu) and can be accessed via the AUM website.

## University Academic Regulations and Procedures

Students must comply with regulations and follow procedures prescribed by the university. Regulations relating to registration, class attendance, grading system, examinations, degree requirements, honors and other academic matters are presented in the following pages. It is the student's responsibility to comply with his or her specific program requirements.

The university reserves the right to change or modify the curriculum, admission standards, course content, degree requirements, regulations, tuition or fees at any time without prior notice. Specific academic programs might have additional requirements for admission; this could include additional testing. The information in this catalog is not to be regarded as creating a binding contract between the student and the university.

## Catalog of Concern

A student will be bound by the program requirements published in the catalog in effect at the time of the student's first registration at the university and in consideration of the student's valid admission to a program unless:

1. The student has not attended AUM for a period of one calendar year, in which case the catalog in effect at the time of the student's return and registration will be the catalog of concern;
2. The university changes program requirements while the student is attending, in which case the student will be given the option of choosing either the program requirements of the initial catalog of concern or those of the new program;
3. The student decides to change program and/or major, in which case the catalog in effect at the time of the change will be the catalog of concern.



## Administrative Holds

A student may be denied the opportunity to register or make a schedule adjustment, use university facilities or be issued an official transcript, statement of credits or diploma if he or she has been identified as having significant academic deficiency, is in default or is identified as being in default on any payment, has not submitted required documents, has not met Discipline Committee sanctions or is otherwise in default by virtue of fees or property owed to the university or any of its schools or divisions. Administrative holds may be placed on a student by units such as the Provost Office, Admissions, Bookstore, Student Accounts, Financial Aid, Housing, Library, Registrar or Campus Police.

## Student Conduct

Each student, by act of registration, agrees to conform to all rules and regulations of the university. Students are expected to conduct themselves as good citizens by obeying the laws of the United States, the State of Alabama, the City of Montgomery and the university. Enrollment as a student in no way exempts any person from penalty in case of violation of local, state or national laws. The Student Discipline Code can be found in the AUM student handbook.

## Academic Honesty Code

Students are expected to maintain academic honesty and integrity in all work pursued at AUM. Students should not condone violations of academic honesty and should act in a manner to prevent opportunities for violations. The complete Academic Honesty Code is located in the Student Handbook located at <http://www.aum.edu/current-students/student-conduct-information/handbook>.

Violations of the Academic Honesty Code are defined as:

1. The possession, receipt or use of any material or assistance not authorized in the preparation of any essay, laboratory report, examination or class assignment, to be submitted for credit as a part of a course or to be submitted in fulfillment of a university requirement;
2. The possession, receipt or use of unauthorized material while an exam or quiz is in progress;
3. Knowingly giving unauthorized assistance to another person during an examination or other graded or credit activities;
4. Selling, giving, lending or otherwise furnishing to any other person any unauthorized material which can be shown to contain the questions or answers to any examination scheduled to be given at some subsequent date in any course of study, excluding questions and answers from tests previously administered and returned to a student by the instructor;
5. The submission of themes, essays, term papers, design projects, theses and dissertations, similar requirements, or parts thereof, that are not the work of the student submitting them. In the case of a graduate thesis or dissertation, submission is defined as the time at which the first complete draft of such is submitted to the major professor for review. Plagiarism is a violation of this Code. When the ideas of another are incorporated into a paper, they must be appropriately acknowledged. In starkest terms, plagiarism is stealing—using the words or ideas of another as if they were one's own. For example, if another person's complete sentence, syntax, key words or the specific or unique ideas and information are used, one must give that person credit through proper documentation or recognition, as through the use of footnotes;
6. Altering or attempting to alter an assigned grade on any official Auburn University at Montgomery record. This violation may also be subject to review and action by the Committee on Discipline;
7. An instructor may delineate in advance and in writing other actions he or she considers a violation of the code. For example, the instructor may consider dishonest or unethical the submission of papers substantially the same in content for credit in more than one course, unless specific permission has been given in advance. Actions so delineated must be reasonable and in the spirit of the Student Academic Honesty Code;
8. Altering or misusing a document (e.g., university forms, physician's excuse) for academic purposes. This violation may also be subject to review and action by the Committee on Discipline;

9. Knowingly submitting a paper, report, examination or any class assignment which has been altered or corrected, in part or in whole, for reevaluation or re-grading without the consent of the instructor;
10. Serving as or enlisting the assistance of another as a substitute in the taking of examinations.

Presenting false data or intentionally misrepresenting one's record for admission, registration, graduation or withdrawal from the university or from a university course is also considered a violation of the Academic Honesty Code. Any instances in violation of academic honesty shall be processed in accordance with the procedures outlined in the AUM student handbook under the title "Academic Honesty Code."

## UNIV

The purpose of the UNIV course is to provide new AUM students with opportunities to successfully transition into college, both academically and personally. UNIV is designed to support students as they foster a connection of belonging at AUM, as well as the skills needed to engage with their curriculum in manners that promote academic advancement and persistence through graduation. Specifically, the course will orient students to academic expectations associated with University study, introduce students to AUM services in place to support their academic success, guide the students through professional, academic, and personal goal-setting processes, and provide students with a peer cohort with which they experience their first semester.

All new AUM students are required to successfully complete UNIV 1000, 1004, or 1007 depending upon admission status, within the first academic year that the student attends unless:

- They are a transfer student transferring in 24 or more college level credit hours that were earned while in residence from a regionally accredited institution after completing high school graduation requirements. Furthermore, these transfer students must have earned a 2.21 or greater cumulative grade-point average on all college level credit hours, or
- They are students entering AUM with Transient, 2nd Degree Seeking, Dual Enrollment, Unclassified or similar academic standing.

In order to continue enrollment in AUM courses beyond the freshman status, students must have successfully completed UNIV 1000, 1004, or 1007 by earning the grade of a "C" or better. Any exceptions to the aforementioned policy must be approved through the Provost's Office.

## AUM Core Curriculum

### Purpose

The AUM Core Curriculum component of the undergraduate curriculum is designed to develop a shared experience of knowledge, skills, and values for all undergraduate students at the University. Because these courses are generally taken within the first two years at the University, the Core Curriculum also provides an opportunity for students to explore the concepts within the humanities, sciences and mathematics, and the social sciences.

### Goals

Through their core curriculum courses, students will develop competencies in the areas of:

- Communication;
- Critical Thinking;
- Quantitative Reasoning; and,
- Intercultural Knowledge.

These four broad General Education Goals are associated with five specific student learning outcomes. Each course approved for the Core Curriculum focuses on helping students build the skills associated with at least one specific Student Learning Outcome (SLO).



The approved Core courses are listed below, grouped by the General Education Student Learning Outcomes they address. Courses ending in "7" are Honors courses.

1. Students will be able to formulate and support an assertion and organize major ideas to defend that assertion in written form. (SLO1)  
 ANTH 2110, ENGL 1010, ENGL 1017, ENGL 1020, ENGL 1027, ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, GEOG 2050, GEOG 2150, HIST 1010, HIST 1017, HIST 1020, HIST 1027, HIST 1060, HIST 1070, HIST 2010, HIST 2020, HONR 1757, HONR 2757, PHIL 2000, PHIL 2010, PHIL 2100, POLS 2020, PSYC 2110, RELI 2010, SOCI 2000, SOCI 2010, VISU 2030, VISU 2040
2. Students will be able to formulate and support an assertion and organize major ideas to defend that assertion in oral form. (SLO2)  
 COMM 1010, COMM 1017, COMM 2212, ENGL 1020, ENGL 1027, HONR 1757, HONR 2757, POLS 2020
3. Students will be able to clarify, analyze, evaluate, and extend arguments. (SLO3)  
 ANTH 2110, BIOL 1000/1001, BIOL 1010/1011, BIOL 1020/1021, BIOL 1050/1051, BIOL 2010/2011, BIOL 2100/2101, ECON 2000, ECON 2010, ECON 2017, ECON 2020, ECON 2027, ENGL 1010, ENGL 1017, ENGL 1020, ENGL 1027, ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, GEOG 2050, GEOG 2150, HIST 1010, HIST 1020, HIST 1060, HIST 1070, HIST 2010, HIST 2020, HONR 1757, HONR 2757, JUST 1270, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, MATH 2670, PHIL 2000, PHIL 2010, PHIL 2100, POLS 2020, PSCI 1300/1301, PSYC 2110, RELI 2010, SOCI 2000, SOCI 2010
4. Students will be able to use quantitative reasoning to solve mathematical problems. (SLO4)  
 ECON 2000, ECON 2010, ECON 2017, ECON 2020, ECON 2027, MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, MATH 2670, PSCI 1300/1301, PSYC 2110
5. Students will be able to demonstrate an understanding of aesthetic, historical, philosophical, and ethical issues of diverse communities (SLO5)  
 ANTH 2110, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, FREN 1010, FREN 1020, FREN 2010, FREN 2020, GEOG 2050, GEOG 2150, GERM 1010, GERM 1020, GERM 2010, GERM 2020, HIST 1010, HIST 1020, HIST 1060, HIST 1070, HIST 2010, HIST 2020, HONR 1757, HONR 2757, MUSI 2110, PHIL 2000, PHIL 2010, PHIL 2100, PSYC 2110, RELI 2010, SOCI 2000, SOCI 2010, SPAN 1010, SPAN 1020, SPAN 2010, SPAN 2020, VISU 1000, VISU 2030, VISU 2040, VISU 2600

Students must also satisfy Core requirements in terms of broad academic areas. Approved Core courses are grouped by four required academic areas:

| <b>AUM Core Curriculum Requirements</b>                                  | <b>Semester Hours</b> |
|--------------------------------------------------------------------------|-----------------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) <sup>1</sup> ..... | 6                     |
| Area II. Humanities and Fine Arts.....                                   | 12                    |
| Literature <sup>2</sup> - minimum of 3 semester hours                    |                       |
| Fine Arts <sup>3</sup> - minimum of 3 semester hours                     |                       |
| Humanities and Fine Arts Elective(s)                                     |                       |
| Area III. Natural Sciences and Mathematics .....                         | 11                    |
| Natural Sciences <sup>4</sup> - minimum of 8 semester hours              |                       |
| Mathematics <sup>5</sup> - minimum of 3 semester hours                   |                       |
| Area IV. History, Social Sciences and Behavioral Sciences.....           | 12                    |
| History <sup>6</sup> - minimum of 3 semester hours                       |                       |
| History, Social Science and Behavioral Science Electives                 |                       |
| Area V. Determined by Major and Degree Requirements <sup>7</sup> .....   | 23                    |

<sup>1</sup> A grade of C or better must be earned in each class. No student earning a grade of D or F in a first-year English composition course at AUM will be permitted to transfer credit from another school to offset that lower grade; the course must be repeated in residence at AUM. Students in the University Honors Program must earn a B or higher in Honors courses.

<sup>2</sup> One mandatory literature course. Students must complete a 6 semester hour sequence either in literature or in history. If two literature courses are taken in a sequence, then only one history course is required (Minimum of 12 semester hours required in Area II.)

<sup>3</sup> One mandatory fine arts course selected from the following: Art Appreciation or Art History, Architecture Appreciation, Music Appreciation, or Theatre Appreciation.

<sup>4</sup> Each course must include a lab.

<sup>5</sup> MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630 or MATH 2660. No student earning a grade of F in a core mathematics course at AUM will be permitted to transfer core mathematics credit from another school to fulfill the core mathematics requirement; under such circumstances the mathematics core requirement must be completed at AUM.

<sup>6</sup> One mandatory history course. Students must complete a 6-semester hour sequence either in literature or in history. If two history courses are taken in a sequence, then only one literature course is required. (Minimum of 12 semester hours required in Area IV.)

<sup>7</sup> Computer literacy: one semester hour minimum or by challenge, handled in the major.

## AUM Core Courses

The courses can be used to fulfill the AUM Core Curriculum requirements. Students should check with their advisor for other courses that may have been approved after the publication of this catalog.

### AUM Core Curriculum Requirements

### Semester Hours

#### Area I. Written Composition

|                                                |   |
|------------------------------------------------|---|
| ENGL 1010 English Composition I .....          | 3 |
| ENGL 1017 English Composition I, Honors .....  | 3 |
| ENGL 1020 English Composition II .....         | 3 |
| ENGL 1027 English Composition II, Honors ..... | 3 |
| HONR 1757 Honors Freshman Seminar .....        | 6 |

#### Area II. Humanities and Fine Arts

|                                                             |       |
|-------------------------------------------------------------|-------|
| CHIN 1010 Elementary Mandarin Chinese I .....               | 4     |
| CHIN 1020 Elementary Mandarin Chinese II .....              | 4     |
| COMM 1010 Introduction to Human Communication.....          | 3     |
| COMM 1017 Introduction to Human Communication, Honors ..... | 3     |
| COMM 2212 Public Speaking .....                             | 3     |
| ENGL 2530 Survey of English Literature I.....               | 3     |
| ENGL 2540 Survey of English Literature II.....              | 3     |
| ENGL 2570 Survey of American Literature I.....              | 3     |
| ENGL 2580 Survey of American Literature II.....             | 3     |
| ENGL 2600 Survey of World Literature I.....                 | 3     |
| ENGL 2610 Survey of World Literature II.....                | 3     |
| FREN 1010 Beginning French I .....                          | 4     |
| FREN 1020 Beginning French II .....                         | 4     |
| FREN 2010 Intermediate French I/Lab.....                    | 4     |
| FREN 2020 Intermediate French II/Lab.....                   | 4     |
| GERM 1010 Beginning German I .....                          | 4     |
| GERM 1020 Beginning German II .....                         | 4     |
| GERM 2010 Intermediate German I/Lab.....                    | 4     |
| GERM 2020 Intermediate German II/Lab.....                   | 4     |
| HONR 1957 Honors Colloquium .....                           | 1,1,1 |
| HONR 2757 UHP Seminar .....                                 | 3     |
| HONR 3757 UHP Seminar .....                                 | 3     |



|                                                                 |   |
|-----------------------------------------------------------------|---|
| INTL 2600 Survey of Literature of the Western World I.....      | 3 |
| INTL 2610 Survey of Literature of the Western World II.....     | 3 |
| LATN 1010 Elementary Latin I.....                               | 4 |
| LATN 1020 Elementary Latin II.....                              | 4 |
| MUSI 2110 Music Appreciation1 .....                             | 3 |
| PHIL 2000 Reasoning and Critical Thinking .....                 | 3 |
| PHIL 2010 Introduction to Philosophy .....                      | 3 |
| PHIL 2100 Applied Ethics.....                                   | 3 |
| RELI 2010 Introduction to World Religions .....                 | 3 |
| SPAN 1010 Beginning Spanish I.....                              | 4 |
| SPAN 1020 Beginning Spanish II.....                             | 4 |
| SPAN 2010 Intermediate Spanish I/Lab .....                      | 4 |
| SPAN 2020 Intermediate Spanish II/Lab .....                     | 4 |
| THEA 2040 Theatre Appreciation .....                            | 3 |
| VISU 1000 Introduction to Visual Arts <sup>1</sup> .....        | 3 |
| VISU 2030 Art History I <sup>1</sup> .....                      | 3 |
| VISU 2040 Art History II <sup>1</sup> .....                     | 3 |
| VISU 2600 Introduction to World Architecture <sup>1</sup> ..... | 3 |

### Area III. Natural Sciences and Mathematics

|                                                                            |   |
|----------------------------------------------------------------------------|---|
| BIOL 1000/1001 Introduction to Biology/Lab.....                            | 4 |
| BIOL 1010/1011 Cellular and Molecular Basis of Life/Lab.....               | 4 |
| BIOL 1017/1018 Honors Cellular and Molecular Basis of Life/Lab.....        | 4 |
| BIOL 1020/1021 Organisms, Adaptations, and the Environment/Lab.....        | 4 |
| BIOL 1027/2028 Honors Organisms, Adaptations, and the Environment/Lab..... | 4 |
| BIOL 1050/1051 Introduction to Environmental Biology/Lab .....             | 4 |
| BIOL 2010/2011 Fundamentals of Microbiology/Lab .....                      | 4 |
| BIOL 2100/2101 Anatomy and Physiology 1/Lab .....                          | 4 |
| CHEM 1100/1101 General Chemistry I/Lab .....                               | 4 |
| CHEM 1200/1201 General Chemistry II/Lab .....                              | 4 |
| MATH 1050 College Algebra .....                                            | 3 |
| MATH 1100 Finite Mathematics.....                                          | 3 |
| MATH 1120 Precalculus Algebra .....                                        | 4 |
| MATH 1150 Precalculus Algebra and Trigonometry.....                        | 4 |
| MATH 1610 Calculus I .....                                                 | 4 |
| MATH 1620 Calculus II .....                                                | 4 |
| MATH 2630 Multivariable Calculus .....                                     | 4 |
| MATH 2660 Linear Algebra .....                                             | 3 |
| MATH 2670 Elementary Statistics.....                                       | 4 |
| PHYS 2100/2101 General Physics I/Lab.....                                  | 4 |
| PHYS 2200/2201 General Physics II/Lab.....                                 | 4 |
| PSCI 1100/1101 Introduction to Physical Science/Lab.....                   | 4 |
| PSCI 1300/1301 Introduction to Earth Science .....                         | 4 |
| PSCI 1400/1401 Introduction to Astronomy/Lab.....                          | 4 |
| PSCI 1500/1501 Introduction to Chemistry/Lab.....                          | 4 |

### Area IV. History, Social Sciences and Behavioral Sciences

|                                        |   |
|----------------------------------------|---|
| ANTH 2110 Cultural Anthropology.....   | 3 |
| ECON 2000 Essentials of Economics..... | 3 |
| ECON 2010 Economics I.....             | 3 |
| ECON 2017 Economics I, Honors.....     | 3 |
| ECON 2020 Economics II.....            | 3 |
| ECON 2027 Economics II, Honors.....    | 3 |

|                                                                  |       |
|------------------------------------------------------------------|-------|
| GEOG 2050 Geography of World Regions.....                        | 3     |
| GEOG 2150 Human Geography.....                                   | 3     |
| HIST 1010 World History I.....                                   | 3     |
| HIST 1017 World History I, Honors .....                          | 3     |
| HIST 1020 World History II.....                                  | 3     |
| HIST 1027 World History II, Honors .....                         | 3     |
| HIST 1060 Western War and Culture I.....                         | 3     |
| HIST 1070 Western War and Culture II.....                        | 3     |
| HIST 2010 U.S. History to 1865 .....                             | 3     |
| HIST 2020 U.S. History Since 1865 .....                          | 3     |
| HONR 1957 Honors Colloquium .....                                | 1,1,1 |
| HONR 2757 UHP Seminar .....                                      | 3     |
| HONR 3757 UHP Seminar .....                                      | 3     |
| INTL 2050 Geography of World Regions .....                       | 3     |
| INTL 2110 Cultural Anthropology.....                             | 3     |
| INTL 2150 Human Geography .....                                  | 3     |
| JUST 1270 Introduction to the American Legal System.....         | 3     |
| POLS 2020 Institutions of American State and National Govt. .... | 3     |
| POLS 2200 International Relations .....                          | 3     |
| PSYC 2110 General Introductory Psychology.....                   | 3     |
| SOCI 2000 Introduction to Sociology .....                        | 3     |
| SOCI 2007 Introduction to Sociology, Honors .....                | 3     |
| SOCI 2010 Social Problems.....                                   | 3     |

<sup>1</sup> Approved Fine Arts course.

## English Composition Grade Requirement

Correct English usage is expected of all students in both their oral and written work. Instructors in all curricula are directed to insist on clear, effective and grammatically accurate speaking and writing in all class work. A grade of C or higher in both of the required English composition courses is necessary for enrollment in any other English courses, as well as for graduation.

No student earning a grade of D or F in a first-year English composition course at AUM will be permitted to transfer credit from another school to offset that lower grade; the course must be repeated in residence at AUM.

## English Composition Placement

You must take the AUM English Placement Test only if you have not taken the ACT or SAT in the last three years. All other students' English placement will be decided based on their ACT or SAT score.

If you scored 18 or higher on the English portion of the ACT (or 450 or higher on the critical reading portion of the SAT) in the last three years, you will be placed in English Composition I (ENGL 1010). If you scored lower, you will be placed in Basic English (ENGL 0100) and its lab component (ENGL 0101).

Final placement in Basic English and English Composition I is confirmed on the first day of class with the assistance of a diagnostic essay. Your diagnostic performance during this first class meeting determines whether you remain in the course or move to the other course.

For more information, refer to <http://www.cas.aum.edu/departments/english-and-philosophy/composition-at-aum> or email [composition@aum.edu](mailto:composition@aum.edu).



## Core Mathematics Requirement

No student earning a grade of F in a core mathematics course (MATH 1050, MATH 1100, MATH 1120, MATH 1150, MATH 1610, MATH 1620, MATH 2630, MATH 2660, and MATH 2670) at AUM will be permitted to transfer core mathematics credit from another school to fulfill the core mathematics requirement; under such circumstances the mathematics core requirement must be completed at AUM.

## Mathematics Placement Testing

All students are placed in their first AUM math course based on their ACT (or SAT) Math sub score. Those students without a current ACT (or SAT) test score will be required to take a proctored ALEKS math placement test in a math lab or test center before being placed. Students with AP credit or credits from previous certain college-level mathematics courses may be exempt from placement testing pending review of their college transcripts.

Students with an ACT Math sub score below 20 (SAT Math below 480 [old] or 530 [new]) will automatically be placed in developmental math, either MATH 0703 (Elementary Algebra) or MATH 0803 (Intermediate Algebra), for their first AUM math course. Developmental math is not-for-credit and does not count toward graduation, but one or both of these courses are required before being permitted to take a credit-bearing college math course at AUM. Starting in Fall 2019, students will be afforded with an additional ALEKS math placement measure that can be used instead of ACT/SAT math score.

### What is ALEKS?

ALEKS (Assessment and LEarning in Knowledge Spaces) is a placement and remediation program that enables students to refresh previously-learned math skills so as to avoid being under placed in an incorrect math course. ALEKS provides an initial placement test (60-90 minutes, 30 questions), then directs students through a learning module focused on remediating their individually weakest math skills. Students can then take a second placement test (proctored or practice) which, in many cases, yields an improved score. Students are allowed to take three more tests (following at least 3 hours in the learning module each time). Practice tests and learning module work can be completed anywhere with an internet connection, but the test score used for placement must be from a proctored test. Students must wait at least 48 hours before attempting another test.

### When and how is ALEKS offered?

Starting in May 2019, ALEKS can be used for math placement from the time of admission through the start of classes. The better result between a student's ACT/SAT Math score and proctored ALEKS test score (before the first day of classes) will be used for placement in a first math course.

**Boot Camps** - AUM offers numerous 18-hour math boot camps in the summer which allow students to work through ALEKS with faculty and tutor assistance. Students can register for a camp on the New Student Orientation webpage.

**Self-Study/Online** - Students can complete the ALEKS program anywhere with an internet connection, but the test being used for placement must be proctored. They will sign up for the ALEKS program via MyAUM.

**Proctored Placement Testing** - Students schedule a proctored placement test in a math lab using AdvisorTrac. Tests occur in Taylor 310 and Goodwyn 115. Students unable to test on campus will be directed to use AUM's ProctorU service.

Please refer to <http://sciences.aum.edu/departments/math-and-computer-science/policies-and-procedures> for complete mathematics placement information.

Students should bring the following items:

1. STUDENT ID (S NUMBER)

2. PHOTO ID
3. Pencil or pen
4. Blank paper or unused notebook for calculations

## General Requirements

### Advising

All students are required to seek the guidance of an academic advisor before registering for courses. A student's major determines which advisor to which they are assigned. Some departments may notify students of their assigned advisor shortly after the student is admitted to AUM. Students who are not notified of their advisor may contact their College or the Office of Central Advising in order to make that determination.

The Office of Central Advising is located at 125 Taylor Center. Students with advising questions may call the center at 334-244-3969 or email at [centraladvising@aum.edu](mailto:centraladvising@aum.edu). Advisors in this office are able to assist students with basic advising and registration questions or might help students locate and connect with their assigned advisor. Students must meet with the advisor assigned to them based on their major in order to receive their PIN.

Students should be aware that pre-professional curricula (e.g., pre-medicine, pre-pharmacy, pre-law) are not majors. Individuals completing one of these curricula will be required to declare a separate major (biology, chemistry, political science, etc.). Academic advisors who work with students in pre-professional programs will help guide students through this process.

Unclassified or degree-seeking students who have not declared a major are advised by the Undeclared Academic Advisor. Undeclared students at AUM are required to declare a major within their first 41 semester hours of credit. Undeclared students are guided to complete core classes and are supported in the process of discerning their major. Since undeclared students will be advised without the direction of their major, all classes taken as an undeclared student may not be applicable to the major for which they declare.

It is the student's responsibility to meet with his or her assigned academic advisor prior to course registration for guidance in selecting courses that comply with his or her specific program/major requirements. In order to register for courses, students must obtain their advisor's signed approval of the courses for which they intend to register. Once the advisor gives this approval, the student can obtain personal identification numbers (PINs) that will allow him or her to register on WEBSTER, AUM's online registration system.

Although all students are required to seek the guidance of an academic advisor, it is ultimately the students' responsibility to ensure that their degree requirements are met.

### Students with Undeclared Majors

Degree-seeking students who have not declared a major are advised by the Student Success and Retention advisor. Undeclared students at AUM are required to declare a major within their first 41 semester hours of credit. While classified as undeclared, students must complete core courses. Since undeclared students will be advised without the direction of their major, all classes taken as an undeclared student may not be applicable to the major for which they declare.

### Attendance

Students are expected to attend punctually every lecture, laboratory exercise and other classroom activity. Each instructor can indicate additional attendance requirements in his or her syllabus. If additional attendance requirements are posted in the syllabus, the instructor is required to monitor and inform the students of their attendance status. Attendance verification is required for the first three classes to comply with federal financial aid requirements. Instructors must also report the "last day attended" for students who stop attending class and do not complete the withdrawal process. The complete Class Attendance Policy can be found in the student handbook.



## Auditing Privilege

The privilege of auditing courses is restricted. Students may audit a lecture course or the lecture part of a combined lecture and laboratory course with the approval of the dean and the head of the department in which the course is offered. The auditing privilege is rarely permitted in laboratory or combined lecture and laboratory courses. It is not permitted in studio courses in the Department of Fine Arts.

Auditors must complete the regular admission and registration process and are listed on class rolls, but they are not required to participate in classroom discussions, take tests or final examinations or make reports. However, regular attendance at class meetings is required. The grade of AU (Audit) is awarded to those meeting these requirements. The grade of NR (No Grade Reported) is assigned for those not meeting the attendance requirement. Auditors who are not regularly enrolled students will register on the last day of the final registration period. A fee will be charged for auditing a course. Members of the faculty and staff may audit lecture courses without payment of the auditing fee with approval of the head of the department in which the course is offered and the dean; however, the regular registration process must be completed.

## Enrollment and Degree Verification

AUM contracts with the National Student Clearinghouse to serve as a third party agent in providing enrollment and degree verifications. The Clearinghouse may be contacted at 703-742-4200 or via the Web at [www.studentclearinghouse.org](http://www.studentclearinghouse.org) or [www.degreeverify.com](http://www.degreeverify.com). Currently enrolled students may download free enrollment verifications via WEBSTER.

## Certification of Student Status

Undergraduate students are certified for enrollment and student status based upon the number of credit hours the student is taking each term (Note: All three terms – fall, spring and summer – are counted the same) and to be classified as such must be taking:

Full-time: 12 or more semester hours

Half-time: 6 - 11.99 semester hours

Less than half-time: Fewer than 6 semester hours

This certification is used for student loans, insurance, military ID cards and other types of certification. Note: For veteran certification, please see the section under Financial Aid in this catalog. If you have any questions concerning this section, please contact the Office of the Registrar at 334-244-3125.

## Classification

Each undergraduate student will be classified according to the number of semester credit hours earned at AUM and other institutions as follows: freshman, 27 or fewer; sophomore, 28 to 57; junior, 58 to 87; senior, 88 or more.

Any student who has been awarded one baccalaureate degree and pursues another course of study for a second baccalaureate degree will be classified as an undergraduate student.

Students who, for reasons acceptable to the dean, do not wish to pursue a regular course of study with respect to course load or curriculum will be admitted as unclassified students.

## Curriculum Transfer

A student who transfers from one curriculum, major or degree program to another must meet the degree requirements specified in the catalog in effect at the time of the transfer.

## ID Card

Each student must have an AUM ID (identification) card. ID cards may be obtained through the Warhawk Shop, 334-244-3578.

## Prerequisites

Course prerequisites or co-requisites are listed with the course description in the catalog. It is the responsibility of the student to know these requirements and to comply with them when registering. Any waiver of these requirements must be approved by the instructor of the course and/or the dean of the college in which the course is taught.

## Restrictions

Some courses have restrictions that preclude some students from registering for these courses. For example, there are level restrictions (undergraduate or graduate); major restrictions (only certain majors are allowed to take courses); class restrictions (an example of this would be only seniors could register for a course). These are not all the restrictions. Check with your advisor prior to registering to find out if a course has a restriction.

## Registration

Every student is required to be registered at AUM when taking course work of any type, including but not limited to thesis work; co-op; making up an incomplete grade; auditing; or when use is made of the instructional staff and/or facilities of the university.

A student is considered registered when his or her class schedule is entered into the BANNER system. A student is responsible for all tuition and fees at this point. If a student wishes to withdraw or resign from all or any of the courses, he or she must follow the procedures for resignation/withdrawal identified in this catalog.

## Schedule Adjustment

A student may add a course prior to the second meeting of the class for full-term and half-term classes. After these periods, no student may register for a class except by permission of the head of the department or dean of the school in which the class is taught.

Resignation occurs when a student decides to withdraw from all courses for which he or she is registered. If a student resigns prior to the day identified as the fifth day of classes (for the full term) or the second day of classes (for a half term), the courses will be deleted from the transcript. Resignation from classes after these dates will result in a student receiving a grade of W (Withdrawal). The deadline for withdrawing/resigning from a course is identified on the student registration system WEBSTER and in the academic calendar.

When a student, as a result of exceptional or emergency circumstances, is forced to withdraw from a course after the withdrawal date for the term, he or she may petition, in writing, the dean of the school in which the course is offered. A student may not withdraw from a course after the deadline if he or she is failing. The dean will contact the student's instructor to determine the student's scholastic standing at the time of the request to withdraw.

## Student Load

A typical semester load for full-time students is 12 to 15 hours. Fully admitted students may schedule up to 18 hours in one semester, but must receive written permission from the dean of the school of their major to schedule more. Conditionally admitted students can schedule no more than 12-13 hours per semester.

## Undeclared Academic Advising

Many students begin their AUM career without a specific degree or career plan in mind. Undeclared Academic Advising services are provided to students who have earned 41 or fewer college level credit hours and are still seeking support in identifying their college major.



## Examinations and Grades

### Examinations

Examinations are classified as final examinations, which occur at the end of each term, special examinations and other course examinations as determined by the instructor. A student absent from an examination for any reason other than personal illness must obtain the permission of the instructor prior to the absence in order to take the examination at a later time. Grades in all subjects are reported to the student at the end of each term, through WEBSTER.

### Multiple Exams Policy

The possibility exists for a student to be scheduled to take three final examinations on the same day. This may place an undue burden on the student. Therefore, the Office of the Provost and the deans have instituted the following policy:

- If a student has been scheduled for more than two final exams in one day, the student can ask his or her instructor to reschedule the middle exam to another day. The instructor may reschedule the exam taken with another section or class the instructor is teaching.
- The exam must be completed during the final exam week. The request must be submitted in writing to the instructor prior to the 12th week of the semester to allow for the reschedule.
- The authority to reschedule the exam rests with the instructor.
- If the instructor whose exam falls in the middle cannot make alternative arrangements, the student may go to one of the other instructors to reschedule a final exam.
- If the student is graduating at the end of the term when this policy is applied, then the exam would have to be administered, graded and the final grade turned into the Registrar's Office prior to the deadline to turn in the graduating student's grades.

### Grading System

Final grades are assigned as follows: A, B, C, D, D\*, F, F\*, FA, FAN, S, U, CR, NC, P, I, IP, W, AU and NR. The following explanations and grade points apply:

- A = Passing and 4 quality points per hour attempted.
- B = Passing and 3 quality points per hour attempted.
- C = Passing and 2 quality points per hour attempted.
- D = Passing and 1 quality point per hour attempted.
- D\* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- F = Failure and 0 quality points per hour attempted.
- F\* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- FA = Failure due to absence and 0 quality points per hour attempted. FAN= Failure to attend developmental courses (not counted in GPA).
- FA\* = Grade has been replaced, not counted in GPA (see Grade Adjustment Policy).
- S = Passing and 0 quality points, but the hours attempted are not included in grade point average determinations.
- U = Failure and 0 quality points, but the hours attempted are not included in grade point average determinations.
- CR = Passing for developmental course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- NC = Failure for developmental course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- P = Passing for nontraditional course work and 0 quality points, but the hours attempted are not included in grade point determinations.
- I = Incomplete and 0 quality points per hour attempted until resolution and a final grade is assigned. A one-year statute of limitations exists for grade changes.

- IP = In progress and 0 quality points, but the hours attempted are not included in grade point determinations. This grade is used only for AUM courses currently in progress, courses for which the student has preregistered and for students who have cross-enrolled at another institution but the final grades have not yet been received.
- W = Withdrawal and 0 quality points, but the hours attempted are not included in grade point average determinations.
- AU = Audit with 0 quality points and 0 hours attempted.
- NR = No grade reported (administrative procedure) and also used for audit students not meeting the attendance requirement.

The grade of incomplete is not a right exercised by the student. It can be assigned only at the discretion of the instructor and may occur when the quality of work has been of passing grade, but the student has been prevented by illness or other justifiable cause from completing the work required prior to or including the final examination. It is recommended that a contract be developed between the instructor and the student to specify the terms for clearing the grade of Incomplete. Grades of Incomplete not cleared within one calendar year shall be changed to F by the registrar unless an extension is approved by the instructor and the dean and the registrar is so notified.

A student must be registered at the university during the semester in which an Incomplete grade is being resolved. The student should not register for that course again on a credit basis (but can register for it on an audit basis). If the student is not registered for any other courses during the semester of resolution of the Incomplete, the student should register for REGL 1110, "For Registration Only."

Students will not be permitted to graduate with Incomplete grades. These will be changed to F.

There is a time limit of one calendar year from the last day of the semester in which a grade was assigned for any changes in course grades. Grades assigned prior to the awarding of a degree cannot be changed after the degree has been awarded.

## Appeal of Grades

Individual course instructors have the responsibility for assigning grades. Students wishing to appeal a grade should follow the procedure listed below.

The student must initiate the procedure in writing to the appropriate department head by the fifth week after the grade was filed in the Office of the Registrar.

1. Prior to appealing the grade, the student should meet with the instructor to discuss the matter.
2. If, after meeting with the instructor, the student wishes to appeal the grade, the student must prepare a letter to the department head of the instructor outlining reasons for the appeal and providing all relevant evidence. This letter and any supporting documentation must present all the
3. facts the student wishes to make known concerning this matter. The letter should also include the student's mailing address and phone number.
4. The department head will organize a meeting between the student and instructor in order to seek a resolution to the dispute. If no resolution is found and the student wishes to continue the appeal process, the department head will form a departmental grievance committee and provide the committee with all relevant materials. After review of all materials, the committee will make a recommendation to the department head to raise, lower or leave the grade intact. The department head will inform both the instructor and student of his or her decision within three weeks of receipt of the student's letter.
5. Either the instructor or student may appeal the department head's decision within one week of receiving it.
6. A written appeal should be made to the dean within one week of receiving the department head's decision. The dean will review the case and inform the parties of his or her recommendation within three weeks of receiving the appeal.
7. If the instructor or the student wishes to further appeal the grade, a written appeal should be



made to the associate provost of undergraduate studies within one week of receiving the dean's recommendation. The associate provost will review the case and inform the parties of the final decision within three weeks of receiving the appeal.

8. Individual course instructors have the responsibility for making the grade change determined by the appeals process.
9. In the College of Nursing and Health Sciences, the associate dean will replace the department head, since it does not have departments.

### Grade Adjustment

AUM has implemented the following grade adjustment policy for all currently enrolled, fully admitted undergraduate students.

Undergraduate students may delete a maximum of three course grades of D or F (including FA or U) associated with their undergraduate degree program from the computation of their cumulative grade point average (This includes all undergraduate work at AUM). Grades and credit considered as transfer credit at either Auburn campus, grades earned in a previously awarded baccalaureate degree or grades that have been assigned as a result of academic misconduct are excluded from this policy.

This policy does not offer exemption from academic requirements for AUM degrees; adjustment only applies to grades in individual courses. All core and major requirements must be met for graduation. Students should be aware that D or F/FA/U grades in required courses may be deleted from the computation of the cumulative grade point average prior to a repeat but must be repeated at AUM before graduation. Where a specific course is required for the core or a major, that course must be repeated to replace the deleted grade. Courses covered by this policy and needed to meet core area requirements or elective courses within a major may, subject to the approval of the academic dean, be replaced by any course accepted for that requirement, where applicable.

All courses for which a grade is awarded will remain on the transcript. Courses for which a grade has been deleted from the cumulative grade point average will have the grade recorded and a notation that the grade has been excluded from the earned hours and the cumulative grade point average. Students may submit a written request for grade deletion to their academic dean's office at any time prior to graduation. Once a request for deletion of a grade has been granted and that grade has been removed from the calculation of the cumulative grade point average, the grade and credit cannot be restored.

Deletion of grades is only available to currently enrolled, regularly admitted undergraduate students and is not available to former students. Students should follow AUM guidelines for the repeat of courses in which grades of A, B or C have been awarded. However, all grades will be used for determining all academic honors.

All AUM transcripts will include two grade point averages: a semester grade point average and a cumulative grade point average. The transcript will carry an appropriate notation that these grade point averages may not include grades for all courses attempted. For further information on this policy, please consult the dean of your school.

### Grade-Point Average

AUM operates on a four-point system, where the number of grade points is divided by the number of hours attempted (less hours in which a grade of S, U, CR, NC, FAN, P or IP is issued).

#### Good Standing

Students must have a 2.00 grade point average (both at AUM and their cumulative GPA) to be in good standing academically at AUM. The conditional classification does not constitute good standing.

#### Continued Status

A student who falls below the criteria for good standing but who is not on academic probation or

suspension will be allowed to continue at AUM in continued status.

### Dean's List

A full-time undergraduate student (minimum of 12 semester hours not including developmental course work) passing all credit work carried during a semester and attaining a grade-point average of 3.5 for the semester may be designated a Dean's List student for that semester. Undergraduate students who are named to the Dean's List may be invited to participate in the AUM Honors Program. See University Honors Program for details. These academic honors will be made a part of the student's permanent record.

## Academic Eligibility

AUM may place a student on probation or suspension at any time if he or she neglects academic work or makes unsatisfactory progress toward graduation, as defined by the following categories.

### Academic Probation

A student will be placed on academic probation whenever his or her cumulative grade-point average at AUM is less than the grade-point average identified below for the applicable level of cumulative graded hours:

| <u>Cumulative Graded Hours<sup>1</sup></u> | <u>AUM GPA<sup>2</sup></u> |
|--------------------------------------------|----------------------------|
| 0 - 27                                     | GPA is less than 1.43      |
| 28 - 57                                    | GPA is less than 1.73      |
| 58 - 87                                    | GPA is less than 1.81      |
| More than 87                               | GPA is less than 1.87      |

<sup>1</sup> Cumulative graded hours include hours attempted at AUM and attempted hours transferred from any other institution(s).

<sup>2</sup> Only the institution GPA earned at AUM is used to determine the probation and suspension status (regardless of what the overall GPA may be for transfer students).

No entering freshman or transfer student will be placed on probation at the conclusion of his or her first semester's work.

### Clearing Probation

A student may clear probation by elevating the cumulative grade point average at AUM to equal to or greater than those identified above for the applicable class level. Credits and grades earned at another institution may not be used to clear probation.

### Academic Suspension

A student will be placed on academic suspension whenever his or her cumulative grade point average at AUM is less than the grade point average identified below for the applicable level of cumulative graded hours:

| <u>Cumulative Graded Hours<sup>1</sup></u> | <u>AUM GPA<sup>2</sup></u> |
|--------------------------------------------|----------------------------|
| 0 - 27                                     | GPA is less than 1.00      |
| 28 - 57                                    | GPA is less than 1.52      |
| 58 - 87                                    | GPA is less than 1.61      |
| More than 87                               | GPA is less than 1.76      |

<sup>1</sup> Cumulative graded hours include hours attempted at AUM and attempted hours transferred from any other institution(s).

<sup>2</sup> Only the institution GPA earned at AUM is used to determine the probation and suspension status (regardless of what the overall GPA may be for transfer students).



A student will be suspended only if he or she was on academic probation the previously enrolled term. A student will not be placed on academic suspension at the end of a semester in which a 2.00 (C) average was earned but will be continued on academic probation. The first academic suspension will be for a period of one semester, summer term being counted as any other term. A student will be readmitted (by AUM's Office of the Registrar) on academic probation following the expiration of the academic suspension. No credit earned at another institution by a student on suspension from AUM will be used in clearing a suspension or in meeting requirements for an AUM degree.

### **Indefinite Suspension**

A student who returns to AUM on academic probation after an academic suspension will be placed on indefinite suspension whenever his or her cumulative grade point average at AUM is less than the grade point average identified above (under the heading Academic Suspension) for the applicable class level. A student will not be placed on indefinite suspension at the end of a semester in which a 2.00 (C) average is earned but will be continued on academic probation. Indefinite suspension will be for a period of at least two terms (more than two terms if there are multiple indefinite suspensions), summer being counted as any other term, and the student may be readmitted only after submitting a petition for readmission to the associate provost for undergraduate studies and interviewing with the Readmission Committee and on the basis of adequate evidence of the student's ability, maturity and motivation.

No credit earned at another institution by a student on indefinite suspension from AUM will be used in clearing a suspension or in meeting requirements for an AUM degree.

Note: If a final academic or indefinite suspension decision cannot be made because of deferred grades or the resolution of Incomplete or In Progress grades, the student will be suspended but permitted to register for the next semester on a conditional basis. All deferred grades and resolutions of Incomplete and In Progress grades that may affect the suspension consideration must be resolved within two weeks of the beginning of the semester for which the conditional approval to register was granted. If the deferred grades and/or resolutions of Incomplete and In Progress grades are not recorded in the Office of the Registrar within the first two weeks or the grades are not of sufficient quality to override the suspension criteria, the student will be suspended and dis-enrolled from the university.

### **Residence Requirement**

At least 25 percent of the total semester hours required for graduation must be taken at AUM. Generally, these hours must be taken in the student's final year unless the dean approves credits (up to a maximum of 9 hours) earned elsewhere during the final year. In any case, the residence requirement of 25 percent of the total semester hours at AUM must be met.

## **Graduation and Degree Requirements**

### **Applying for Graduation**

AUM students nearing completion of degree requirements must apply for graduation no later than the third week of the term in which they intend to graduate. Application may be made online by going to the AUM website ([www.aum.edu](http://www.aum.edu)). The graduation fee will be billed to the student's account. University regulations require that all degree candidates be enrolled during the semester of graduation.

If a student fails to graduate in the semester for which application is made, the applicant must reapply to graduate in a subsequent semester. (The graduation fee will be retained by AUM and applied to the term of graduation.) Deadlines for graduation application are available online and in the Office of the Registrar.

### **Degree Requirements**

To qualify for graduation, a student must:

1. Be in good standing.
2. Complete the courses and hours specifically required and accepted for the curriculum with a grade-

- point average of 2.0 (C).
3. Complete the Area I English composition core requirements with a minimum grade of C in each course. See the section on English requirements in this catalog for the limitation on acceptable transfer credit.
  4. Complete Areas II, III and IV university core requirements with a GPA of at least 2.0 (C).
  5. Complete all Area V courses identified in the major field of study with a GPA of at least 2.0 (C).
  6. Complete a minimum of 120 semester hours of passing credit within the framework of the identified field of study. Credit earned in developmental courses (ENGL 0100, EDUC 0800, READ 0700, MATH 0700, MATH 0800) will be in addition to minimum degree requirements.
  7. Complete UNIV 1000 (only new freshmen, transfer freshmen, and transfer students with a GPA less than 2.20, who entered AUM Fall 2013 or later.)
  8. Be free of probation or suspension status at the end of the desired semester of graduation. Even though the GPA in specifically required and accepted courses for the curriculum may be 2.0 (C), the overall record of courses attempted may place the student in jeopardy.

Note: The requirements stated above are general university graduation requirements. Individual schools and departments may impose more stringent requirements. Schools and departments may not impose less stringent requirements.

Students should contact individual schools and departments to determine the exact graduation requirements for their desired major.

## Second Degree

To earn a second baccalaureate degree, a student must complete a minimum of 30 semester hours in residence at AUM subsequent to the awarding of the first degree with a 2.0 GPA. Additionally, the student must satisfy all university, college, departmental and major course requirements for the second degree.

## Double Major

Double majors are authorized in the academic schools upon approval of the dean when all requirements are met as specified by each college. When the above provisions are satisfied, both majors may be listed on the student's transcript and on the diploma. The student may choose the college from which the degree will be awarded.

## Graduation Honors

Students with a minimum overall GPA of 3.4 are graduated Cum Laude; 3.6, Magna Cum Laude; and 3.8, Summa Cum Laude. This distinction of high academic achievement is placed on the student's diploma and on his or her permanent record.

Both the AUM GPA and the overall GPA (including any transferred hours from other institutions) are considered when determining graduation hours. The lowest of the two will be used. Grades of S or U and noncredit courses are not used in the calculations. However, any courses that have been deleted from your GPA calculation through the Grade Adjustment Policy will be factored back in to your GPA. A student who graduates with a second degree will have all undergraduate work, wherever taken, considered in the determination of eligibility for honors. In all cases, at least 50 hours of course work at AUM are required for graduation honors. GPAs are not rounded up when determining honors.

## Transferring Within the University System

The Auburn University system is composed of two campuses – Auburn and Montgomery. A student enrolled in an undergraduate division at either campus who wishes to transfer to the undergraduate division at the other will be considered as a transfer student just as from any other accredited institution. Due to the difference in some curricula and courses, the amount of transfer credit and advanced standing will be determined by the appropriate academic unit and the registrar at the campus to which the student transfers.



## Transfer Credit

Transfer credit is reviewed, evaluated and assigned for courses from regionally accredited institutions of higher education that translate to specific AUM courses or are eligible for elective credit. Students should have official transcripts sent directly to AUM's Office of Admissions and Recruitment from each college or university attended to begin the process.

## Advanced Placement

Both the disciplines of English and foreign languages have advanced placement programs. Advanced placement credit in English Composition I is available to students with appropriate scores on the College Board Advanced Placement Examination in English. For information about advanced placement in English, consult the chair of the Department of English and Philosophy or the director of English composition.

Students with written proficiency in French or Spanish who begin with an advanced foreign language class may, upon its completion with an appropriate grade, apply for a maximum of 16 semester hours of ungraded institutional credit for the bypassed courses. Proficiency in other languages (and hours of credit up to 16 semester hours) may also be established in accordance with the advanced credit/credit in passing procedure. For information about advanced placement in a foreign language, consult the Coordinator of World Languages and Cultures.

## Credit by Examination

AUM recognizes that students learn through a variety of experiences outside the traditional classroom. When these experiences are equivalent to specific courses at AUM, students may earn credit for these courses through two types of examinations: the subject examinations of the College Level Examination Program (CLEP) approved by the department in which the course is offered and departmental proficiency examinations. A student may not attempt credit by examination for a course in which a failing grade has been received or in an area in which the student has received college credit for a more advanced course.

A student may receive no more than 55 semester hours of credit on the basis of non-classroom experience. Semester hours of credit toward graduation earned through credit by examination are recorded on a student's transcript, but no grades or quality points are given; therefore, these credits will not affect a student's grade point average.

## CLEP

Test scores on certain subject examinations approved by the department in which the courses are offered are equated with specific courses in the current AUM catalog and a student may receive credit in areas in which academic credit has not been earned.

Students transferring to AUM who have received college credit through the CLEP at other institutions may transfer such credit to AUM if scores on the CLEP meet the AUM requirements for awarding of such credit. CLEP test scores must be submitted directly from the CLEP program before a determination of allowable credit can be made.

All requests for credit based on CLEP subject examinations are submitted to the Office of the Registrar. Test results are evaluated and recorded on a student's transcript if credit is earned. Students may retest after six months on any exam that they may have previously failed to achieve a satisfactory score.

## Proficiency Examinations

Credit by examination may be earned for selected courses at AUM through departmental proficiency examinations. The student should contact the appropriate department to determine the availability of proficiency examinations. The minimum passing level for all such examinations is the mid-C range. To apply for a proficiency examination, a student must obtain the approval of the academic advisor, the department head and dean of the school in which the student is majoring and the head of the department in which

the course is offered. The head of the department in which the course is offered will report successful completion of the proficiency examination to the Office of the Registrar, and the Office of the Registrar will record this credit on the student's transcript. Students who transfer to other institutions of higher education should realize that credit by examination for courses at AUM may not be recognized by other institutions.

## **Military Services**

### **Credit for Military Schools**

It is the policy of AUM to follow the recommendations of the American Council on Education on credit given for the successful completion of service schools, including AWC and ACSC. The applicability of such credit to a specific program will be determined by the dean of the school concerned. Additionally, AUM has in place specialized articulation agreement that may allow for additional credits. Contact the Office of the Registrar if you think you may fall into this category.

### **Credit for USAFI/DANTES Level Tests and Subject Standardized Tests**

Undergraduate credit may be allowed for college level courses completed by correspondence or for subject examinations administered by the Armed Forces Institute or institutions approved by the Armed Forces Institute and other accredited institutions as approved by the dean concerned. Contact the Office of the Registrar for specific subject areas that are eligible for DANTES.

### **Credit Recommended by the American Council on Education (ACE)**

The ACE presently evaluates both military schools and civilian training programs for academic credit. Since this evaluation is handled by faculty members of accredited institutions of higher learning, AUM will accept the ACE recommendations for credit earned in nonacademic programs. The applicability of such credit to a specific program will be determined by the dean of the school and faculty advisor.

### **Army ROTC Cross Enrollment Program**

AUM, in conjunction with Troy University, Huntingdon College, Alabama State University and Faulkner University, has a separate agreement for Army ROTC. A student who attends one of these schools and is interested in taking Army ROTC courses at AUM should contact military science at 334-244-3528. For the curriculum of military sciences see the College of Liberal Arts and Social Sciences section.

### **Air Force Reserve Officers Training Corps**

A student can enroll in Air Force ROTC whether he or she is a full-time student at the host university or at a cross-town school. Auburn Montgomery has an Air Force ROTC cross-enrollment agreement with Alabama State University. This means students will be enrolled full-time at AUM and take ROTC classes each week at ASU.

### **Division of Aerospace Studies – Alabama State University**

Air Force ROTC course offerings and military training leading to a commission as an Air Force second lieutenant are available to all AUM students through a cross-enrollment agreement with AFROTC Detachment 019 at Alabama State University.

The nationwide AFROTC program is the major source of Air Force officer procurement. The purpose of AFROTC Detachment 019 at ASU is to offer educational experiences which develop an appreciation for democracy, prepare students for responsible citizenship and train students for management and leadership in the Air Force. The Division of Aerospace Studies is available to students at AUM, Faulkner University, Troy University's Montgomery campus and Huntingdon College.

### **The Four-Year Program**

Students desiring to participate in the four-year program should visit the detachment at Alabama State University to fill out the necessary paperwork. There is no military obligation connected with enrolling in the



freshman and sophomore years of the four-year program. The freshman and sophomore years are referred to as the General Military Course (GMC).

Upon completion of the first two years, or GMC portion, of the four-year program, a student may be selected for enrollment in the Professional Officer Course (POC). All or a portion of the General Military Course may be waived by the professor of aerospace studies if the student has a Junior ROTC certificate, has participated in the Civil Air Patrol or has had military school training or prior active service in any branch of the U.S. Armed Forces.

Selection into the POC is based upon passing the Air Force Officer Qualifying Test, a minimum GPA of 2.5 on a 4.0 point scale, passing an Air Force medical examination and completing a field training session, usually between the sophomore and junior years. All summer field training costs are paid by the Air Force. (Field training is explained more fully below.) Other basic requirements for the four-year program are U.S. citizenship and possession of a sound moral character.

Cadets desiring to be pilots or navigator designees must be able to complete commissioning requirements prior to age 29. Scholarship recipients must fulfill commissioning requirements before reaching age 27 on June 30 in the estimated year of commissioning. All other cadets must receive an enrollment allocation prior to age 30.

Cadets admitted to the POC receive \$350 a month nontaxable allowance, up to \$4,800 per school year. They may also travel free on military aircraft on a space-available basis. All AFROTC uniforms and course materials are provided by the Air Force at no cost to students.

A cadet who enrolls in the Professional Officer Course agrees to accept a commission as a second lieutenant and serve for four years on active duty. Cadets accepted for pilot training agree to serve on active duty for 10 years after completing pilot training. Cadets accepted for navigator training must agree to serve on active duty for six years after completing navigator training.

### **The AFROTC Scholarship Program**

Scholarships are available to qualified cadets in the four-year program. Scholarships in all programs cover full tuition, laboratory and incidental fees and a flat rate for books. Scholarship cadets also receive a nontaxable allowance each month ranging from \$350 to \$500. Final selection is made by a selection board at Air Force ROTC Headquarters.

An applicant's academic major and potential active duty career field are considered with respect to the needs of the Air Force.

Scholarships are awarded on a competitive basis. There is no limit to the number that can be awarded to cadets at a given college or university hosting Air Force ROTC's four-year program.

### **AFROTC Curriculum**

The basic goal of the AFROTC curriculum is to provide the military knowledge and skills which cadets will need when they become Air Force officers.

### **General Military Courses**

AS 101 and AS 102 (2 hours credit per semester). Survey courses introducing students to the U.S. Air Force and AFROTC. Topics include mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

AS 201 and AS 202 (2 hours credit per semester). Survey courses facilitating the transition from Air Force ROTC cadet to Air Force ROTC officer candidate. Topics include Air Force heritage and leaders; Quality Air

Force; introduction to ethics, values and leadership; group leadership problems; and continuing application of communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements these courses by providing the first opportunity for applied leadership experiences discussed in class.

### Professional Officer Courses

AS 301 and 302 (4 hours credit per semester). A study of leadership quality management fundamentals, professional knowledge, Air Force doctrine, leadership ethics and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements these courses by providing advanced leadership experiences in officer-type activities by providing opportunity to apply leadership and management principles.

AS 401 and 402 (4 hours credit per semester). Examine the national security process, regional studies, advanced leadership ethics and Air Force doctrine. Focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty and current issues affecting military professionalism. Continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements these courses by providing advanced leadership experiences and the opportunity to apply the leadership and management principles.

### Aerospace Studies Courses

General Military Course consists of the following courses:

Semester Hours

|                                                                           |          |
|---------------------------------------------------------------------------|----------|
| AS 101 The Foundations of the United States Air Force .....               | 2        |
| AS 102 The Foundations of the United States Air Force .....               | 2        |
| AS 201 The Evolution of the United States Air Force and Space Power ..... | 2        |
| AS 202 The Evolution of the United States Air Force and Space Power ..... | 2        |
| <b>Total .....</b>                                                        | <b>8</b> |

The Professional Officer Course consists of the following courses:

Semester Hours

|                                                                    |           |
|--------------------------------------------------------------------|-----------|
| AS 300 Air Force Leadership Studies .....                          | 4         |
| AS 301 Air Force Leadership Studies .....                          | 4         |
| AS 400 National Security Affairs/Preparation for Active Duty ..... | 4         |
| AS 401 National Security Affairs/Preparation for Active Duty ..... | 4         |
| <b>Total .....</b>                                                 | <b>16</b> |

### Leadership Laboratory

Leadership Laboratory is open to ROTC members and students to pursue a commission as determined by the professor of aerospace studies. Attendance is normally two hours each week during the fall and spring semesters. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. Leadership Laboratory involves a study of Air Force customs and courtesies, drill and ceremonies, career opportunities, and the life and work of an Air Force officer. Students develop their leadership potential in a practical, supervised laboratory, which typically includes field trips to Air Force installations throughout the U.S. Physical fitness training is field trips to Air Force installations throughout the U.S. Physical fitness training is also a mandatory part of Leadership Laboratory and must be attended by all cadets.

### Field Training

AFROTC Field Training is offered during the summer months at Maxwell AFB, AL. Students in the four-year program participate in field training, usually between their sophomore and junior years.

The major areas of study included in the five-week field training are essentially the same as those conducted at four-week training and in the General Military Course, including Leadership Laboratory.



# University Honors Program

## Mission

Since 1981, the mission of the University Honors Program has been to serve highly motivated students from all five of Auburn Montgomery's academic colleges by facilitating their participation in a diverse community that will prepare them intellectually and socially for the challenges and responsibilities of global citizenship in the twenty-first century.

To accomplish this mission, the UHP enhances the experience of Honors Program students by engaging them in the development and demonstration of creative thinking, critical thinking, and teamwork and leadership in a context of global citizenship.

## Eligibility

Entering freshmen with the following qualifications are encouraged to apply for the UHP:

- 3.5 or higher unadjusted GPA
- 27/1220 or higher ACT/SAT score

Any continuing Auburn Montgomery student with a cumulative GPA of 3.4 or higher may also apply for the UHP.

The application process includes a prompted essay and an interview. Interested students should apply at [www.aum.edu/honors](http://www.aum.edu/honors) or contact the UHP at [honors@aum.edu](mailto:honors@aum.edu).

## Service and GPA Requirement

Every student enrolled in the UHP is required to complete 12 hours of community service each semester and maintain a cumulative GPA of 3.4 or higher. Students who do not satisfy these requirements will be placed on probationary status. After one semester on probation, students who do not satisfy these requirements are liable to be dismissed from the UHP.

## UHP Core Requirements

Honors students who enter as freshmen are expected to take HONR 1757 in both the fall and spring semesters of their first year. This course substitutes for ENGL 1010 and 1020, satisfying Area I of the AUM Core Curriculum. Freshman honors students who have already met this requirement when they enroll at AUM may use HONR 1757 to satisfy Area II or Area IV requirements instead.

Students may substitute HONR 1957, HONR 2757, or HONR 3757 for courses that satisfy Area II or Area IV requirements in the AUM Core Curriculum.

Departmental honors courses (e.g., BIOL 1017, COMM 1017, PHIL 2007, etc.) may also be used to satisfy AUM Core Curriculum requirements. Honors students should register for honors versions of core courses whenever possible.

University Honors

The highest honors conferred by the UHP are University Honors, earned by students who maintain a cumulative GPA of 3.4 or higher and complete the following curriculum with a grade of 'B' or better in each course:

| Courses:                           | Semester Hours |
|------------------------------------|----------------|
| HONR 1757 (taken twice) .....      | 6              |
| HONR 1957 (taken three times)..... | 3              |
| HONR 2757 (taken twice) .....      | 6              |
| HONR 3757 (taken twice) .....      | 6              |
| HONR 3957 .....                    | 3              |
| HONR 4957 .....                    | 3              |

Warhawk Honors

Alternatively, UHP students may earn Warhawk Honors, in either of the following ways:

1.

by completing 21 semester hours of honors credit, of which at least 18 hours are honors seminar courses (HONR 1757, HONR 2757, or HONR 3757)
- or
2.

by completing 15 semester hours of honors credit, of which at least 9 hours are honors courses "by contract" within the student's major.

Students must earn a grade of 'B' or better in each course in order for it to count toward the Warhawk Honors semester hours requirement, and must maintain a cumulative GPA of 3.4 or higher in order to graduate from the UHP.



# College of Business

Dr. Ross Dickens, Dean

## Faculty:

### Accounting:

Professors Deal and Lang  
Associate Professors Lane (Director), Smith and Wampler  
Senior Lecturers Daniel and Seay

### Finance:

Professors Hahn, Johnson and Newman  
Associate Professor Harrington

### Information Systems:

Professors Amoroso and Ang (Department Head)  
Associate Professors He, Jourdan, Kim, Linna and Ryan  
Assistant Professors Bang and Oh  
Lecturer Anderson  
Visiting Professor Lim

### Management:

Professors Banning (Department Head) and M. Kiker  
Associate Professors El Badawy, Johnson, and S. Kiker  
Senior Lecturer White

### Marketing:

Professor Ingram  
Associate Professors Funches and Periatt  
Assistant Professor Bolton  
Senior Lecturer Jackson  
Visiting Professor McKell

### Programs:

Accounting  
Entrepreneurship  
International Business  
Finance  
General Business  
Human Resource Management  
Information Systems  
    General Information Systems.  
    Enterprise Network Management  
    Enterprise Data Management and Applications  
Management  
Marketing  
    Hospitality and Tourism

## Mission

AUM's College of Business fosters a collaborative learning environment promoting innovative, effective business practices that positively impact our stakeholders by preparing students for successful careers.

## AACSB-International Accreditation

The degree programs, both undergraduate and graduate, offered by the College of Business have achieved business accreditation by AACSB-International, the nation's oldest and most prestigious business school accrediting body. In addition, the undergraduate accounting program has received separate AACSB accounting accreditation, which is an honor held by only 1 percent of schools worldwide.

## Undergraduate Programs

The College of Business curricula are designed to provide the student with the foundation of a broad liberal education before beginning a more intensive study of specific areas of business. The student may elect to pursue programs that specialize in the areas of Accounting, Entrepreneurship, International Business, Finance, Information Systems (Options in Infrastructure and Applications), Human Resources Management, Management, Marketing (Options in Hospitality and Tourism) or General Business. The respective programs are composed of the following: Lower Division Business Core, Upper Division Business Core and courses which comprise an area of specialization.

All majors in business administration will follow a plan of study that includes the courses and areas listed below:

### AUM Core Curriculum Requirements

### Semester Hours

|                                                                                                                                                              |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Area I. Written Composition                                                                                                                                  |    |
| English Composition (ENGL 1010 and ENGL 1020).....                                                                                                           | 6  |
| Area II. Humanities and Fine Arts                                                                                                                            |    |
| Option I                                                                                                                                                     |    |
| Literature .....                                                                                                                                             | 3  |
| Fine Arts .....                                                                                                                                              | 3  |
| Humanities (to include option to take COMM 1010, languages, ethics, philosophy) .....                                                                        | 6  |
| Total .....                                                                                                                                                  | 12 |
| OR                                                                                                                                                           |    |
| Option II                                                                                                                                                    |    |
| Literature Sequence (ENGL 2530/2540, ENGL 2570/2580, ENGL 2600/2610) .....                                                                                   | 6  |
| Fine Arts (MUSI 2110, VISU 1000, or THEA 2040) .....                                                                                                         | 3  |
| Introduction to Human Communication (COMM1010) .....                                                                                                         | 3  |
| Total .....                                                                                                                                                  | 12 |
| Area III. Natural Science and Mathematics                                                                                                                    |    |
| Math (MATH 1050, 1120, 1150, 1510, or 1610).....                                                                                                             | 3  |
| Approved Science/Lab (2 courses with respective labs to include BIOL 1000, CHEM 1100, CHEM 1200, PSCI 1100, PSCI 1400, PSCI 1500, PHYS 2100, PHYS 2200)..... | 8  |
| Total .....                                                                                                                                                  | 11 |
| Area IV. History, Social Sciences and Behavioral Sciences                                                                                                    |    |
| Option I                                                                                                                                                     |    |
| History Sequence (HIST 1010/1020, 1060/1070, 2010/2020) .....                                                                                                | 6  |
| Economics I (ECON 2010).....                                                                                                                                 | 3  |
| Economics II (ECON 2020) .....                                                                                                                               | 3  |
| Total .....                                                                                                                                                  | 12 |
| OR                                                                                                                                                           |    |
| Option II                                                                                                                                                    |    |
| History (HIST 1010/1020, 1060/1070, 2010, 2020).....                                                                                                         | 3  |
| Social Sciences (ANTH 2110, PSYC 2110 or SOCI 2000).....                                                                                                     | 3  |



|                                                                            |    |
|----------------------------------------------------------------------------|----|
| Economics I (ECON 2010).....                                               | 3  |
| Economics II (ECON 2020) .....                                             | 3  |
| Total .....                                                                | 12 |
| Total AUM General Core Requirements .....                                  | 41 |
| UNIV 1000 (Freshman and Transfer students who meet certain criteria) ..... | 3  |
| Total AUM General Core.....                                                | 44 |

**Business Administration Core Courses (must make a C or better in all business core courses as well as MATH, ENGL, and ECON 2010/2020 from the AUM General Core):**

**Lower Level Business Core:**

|                                                         |   |
|---------------------------------------------------------|---|
| Introduction to Financial Accounting (ACCT 2010) .....  | 3 |
| Introduction to Managerial Accounting (ACCT 2020) ..... | 3 |
| Computer Applications in Business (INFO 2050).....      | 3 |
| Legal Environment of Business (MNGT 2410) .....         | 3 |
| Business Statistics I (BUSN 2740).....                  | 3 |
| Business Statistics II (BUSN 2750).....                 | 3 |

**Upper Level Business Core\*:**

|                                                       |   |
|-------------------------------------------------------|---|
| Business and Professional Writing (BUSN 3060) .....   | 3 |
| Managing Systems, Technology & Data (INFO 3070) ..... | 3 |
| Financial Management I (FINA 3610).....               | 3 |
| Principles of Marketing (MKTG 3310) .....             | 3 |
| Managing Organizational Behavior (MNGT 3380) .....    | 3 |
| Operations Management (QMTD3600) .....                | 3 |
| Strategic Management (BUSN 4800) .....                | 3 |
| Ethical Leadership Development (BUSN 3000).....       | 1 |

**Total Upper and Lower Level Business Core .....** 40

|                                                |    |
|------------------------------------------------|----|
| Business/Approved Electives .....              | 9  |
| Business/Approved Elective (3000/4000)** ..... | 3  |
| Area of specialization requirements*** .....   | 24 |
| Total Business Hours .....                     | 76 |

**Minimum Total Hours Required for BSBA.....** 120

\*Students are required to complete lower division requirements prior to attempting upper level business core courses. In the semester of transition from lower to upper business core courses, students may enroll in FINA 3610, MKTG 3310 or MNGT 3380 if they have met the prerequisites for those courses and completed their core Mathematics and English composition requirements for the AUM general course courses.

\*\*Business or approved electives at the 3000/4000 level require a C or better in completing this requirement.

\*\*\*The area of specialization requirements are detailed under each option within the catalog. A grade of C or better must be earned to fulfill graduation requirements.

## Rules and General Requirements

1. It is the student's responsibility to ensure that all course prerequisites are met.
2. Courses considered developmental in nature may not be used to fulfill the graduation requirements.
3. Students are required to complete lower division requirements with a grade of C or better prior to attempting upper division courses. In the semester of transition from lower to upper division, students may enroll in the following designated transition courses: FINA 3610, MNGT 3100 or MKTG 3380 if the required prerequisite courses are completed and if the students have completed their core mathematics and English composition requirements.
4. Courses required in the specialization must be taken in residence at AUM. With permission, two courses in a student's specialization may be completed at another AACSB accredited school.
5. Grades below C in upper division specialization subjects are not acceptable as prerequisites for other course work or for graduation. Upper division specialization courses are those which constitute the specific requirements for the specialization.

6. Non-business students may take up to 30 semester hours of business courses for graduation purposes in their non-business major.
7. The AUM College of Business has specified policies and procedures for grade grievance, incomplete grades, late withdrawal, independent studies and internships. Students needing information on these topics should contact the department head of their specialization or the AUM College of Business Undergraduate Advising Office.
8. Students must comply with all other rules and general requirements found elsewhere in this catalog.

## College of Business Undergraduate Advising Office

The College of Business Undergraduate Advising Office, located in Room 322 Clement Hall, is the college's centralized student advising, records and information center. Schedule advising, registration and schedule adjustment are just some services offered to business students. This office also evaluates transcripts for transfer students and for current AUM students switching their major to business. All questions concerning College of Business programs should be directed to this office by calling 334-244-3564 or via email at [jstrong@aum.edu](mailto:jstrong@aum.edu).

## School of Accounting - Accounting Specialization

The accounting specialization prepares students to enter a variety of accounting careers. The program consists of eight courses: seven required courses to provide students with the knowledge and skills generally expected of all entry-level accountants and three accounting electives that students can choose based on their choice of careers. Students planning to sit for the Certified Public Accountant (C.P.A.) Examination in Alabama must satisfy the requirements of the Alabama Public Accountancy Act. These requirements are described on the Alabama State Board of Public Accountancy website, <https://www.asbpa.alabama.gov>.

| Accounting Specialization Requirements         | Semester Hours |
|------------------------------------------------|----------------|
| ACCT 3110 Intermediate Accounting I .....      | 3              |
| ACCT 3120 Intermediate Accounting II .....     | 3              |
| ACCT 3130 Intermediate Accounting III .....    | 3              |
| ACCT 3200 Accounting Information Systems ..... | 3              |
| ACCT 3210 Managerial Cost Accounting .....     | 3              |
| ACCT 3310 Income Tax Accounting .....          | 3              |
| ACCT 4410 Auditing Financial Statements .....  | 3              |
| Accounting Electives .....                     | 9              |
| Total Hours .....                              | 30             |

| Accounting Electives                                                                   | Semester Hours |
|----------------------------------------------------------------------------------------|----------------|
| ACCT 3000 Excel for Accounting .....                                                   | 3              |
| ACCT 4130 Advanced Financial Accounting .....                                          | 3              |
| ACCT 4380 Taxation Serving the Community .....                                         | 3              |
| ACCT 4510 Government and Nonprofit Accounting, Financial Reporting and Budgeting ..... | 3              |
| ACCT 4520 Governmental Auditing and Internal Control .....                             | 3              |
| ACCT 4530 Government Budgeting and Performance Reporting .....                         | 3              |
| ACCT 4610 Not-For-Profit Accounting and Financial Reporting .....                      | 3              |



## Grade Requirements for Upper Division Accounting Specialization Courses

A minimum grade of C in all accounting courses is required. Students who receive a D or F in an upper division accounting course at AUM have one opportunity to repeat that course and the course must be repeated at AUM. Students who receive a D or F in any two upper division accounting courses at AUM will be dis-enrolled from the program.

Students who have failed (D or F) one course will meet with the Director of the School of Accountancy prior to enrollment in any upper division accounting course. The student must submit a written action plan for improving future performance for approval by the Director of the School of Accountancy before permission can be granted to enroll in any upper division accounting courses at AUM.

## Entrepreneurship Specialization

The College of Business newest program is Entrepreneurship. The curriculum for this major is designed to provide students with opportunities for growth and development inside and outside the classroom, preparing them to identify and pursue academic and career goals. This specialization is composed of courses from multi-disciplines. Graduates will be able to seek self-employment in their own business start-ups after graduation. In addition, they will be able to seek employment in corporate jobs that are focused on new venture development functions of business.

| Entrepreneurship Specialization Requirements           | Semester Hours |
|--------------------------------------------------------|----------------|
| BUSN 3300 New Venture Creation .....                   | 3              |
| HRSM 3150 Human Resource Management .....              | 3              |
| FINA 3500 Entrepreneurial Finance .....                | 3              |
| BUSN 4000 Creativity and Innovation .....              | 3              |
| MNGT 4010 Entrepreneurship and Business Planning ..... | 3              |
| MKTG 4410 Buyer Behavior .....                         | 3              |
| Entrepreneurship Electives .....                       | 6              |
| Total Hours .....                                      | 24             |

## Finance Specialization

The program in finance provides a foundation in financial institutions, financial planning and financial management. Students may then elect to concentrate in these areas or select advanced courses in related areas of finance, accounting or economics.

| Finance Specialization Requirements                          | Semester Hours |
|--------------------------------------------------------------|----------------|
| FINA 3370 Personal Financial Planning .....                  | 3              |
| FINA 3650 Financial Institutions and Markets.....            | 3              |
| FINA 3620 Financial Management II.....                       | 3              |
| ACCT 3000 Excel for Accounting.....                          | 3              |
| FINA 4640 Investment Analysis and Portfolio Management ..... | 3              |
| Finance Electives .....                                      | 9              |
| Total Hours.....                                             | 24             |

| Finance/Approved Electives .....                         | Semester Hours |
|----------------------------------------------------------|----------------|
| FINA 3230 Principles of Real Estate.....                 | 3              |
| FINA 3500 Entrepreneurial Finance .....                  | 3              |
| FINA 4210 Commercial Risk Management and Insurance ..... | 3              |
| FINA 4600 Bank Management .....                          | 3              |
| FINA 4700 Short-Term Financial Management .....          | 3              |

|                                                 |     |
|-------------------------------------------------|-----|
| FINA 4750 International Finance .....           | 3   |
| FINA 4924 Internship in Finance .....           | 1-3 |
| FINA 4970 Special Problems/Special Topics ..... | 3   |
| ACCT 3110 Intermediate Accounting I .....       | 3   |
| ACCT 3120 Intermediate Accounting II .....      | 3   |
| ACCT 3310 Income Tax Accounting .....           | 3   |
| ACCT 4320 Advanced Income Tax Accounting .....  | 3   |
| ECON 4100 Intermediate Macroeconomics .....     | 3   |
| ECON 4110 Intermediate Microeconomics .....     | 3   |
| ECON 4650 Public Finance .....                  | 3   |

<sup>1</sup>At least two electives must be Finance (FINA) courses. ACCT 3120 or ACCT 4320 may substitute for a FINA elective course.

## International Business Specialization

This program is a multi-disciplinary degree. The program combines training in finance, marketing, and management skills with language skills and an appreciation for cultural differences that affect business relations in the global market-place. Students specializing in the international business studies option must have a minimum of two courses in a foreign language consisting of 8 credit hours.

| International Business Option Requirements                          | Semester Hours |
|---------------------------------------------------------------------|----------------|
| INTL 3000 Introduction to International Studies .....               | 3              |
| FINA 4750 International Finance .....                               | 3              |
| MKTG 4650 International Marketing.....                              | 3              |
| MNGT 4250 Managing Diversity.....                                   | 3              |
| MNGT 4750 International Business Management .....                   | 3              |
| INTL Approved Elective.....                                         | 3              |
| INTL Approved Elective.....                                         | 3              |
| INTL Approved Elective.....                                         | 3              |
| Total Hours.....                                                    | 24             |
| INTL Approved Electives: BUSN 4000, INFO 4300; MNGT 4100; MKTG 4410 |                |

## Management Specialization

The management specialization is designed to prepare students to respond to the opportunities and demands of a highly competitive world. The program gives students the knowledge and skills that are universally needed to be successful in leadership roles in any organization. The curriculum builds a knowledge base that includes the latest ideas in management thought and practice, with a particular emphasis on acquiring critical people management skills.

| Management Specialization Requirements            | Semester Hours |
|---------------------------------------------------|----------------|
| HRSM 3150 Human Resource Management.....          | 3              |
| MNGT 4500 Leadership for a Changing World .....   | 3              |
| MNGT 4100 Business Ethics .....                   | 3              |
| MNGT 4250 Managing Diversity.....                 | 3              |
| MNGT 4750 International Business Management ..... | 3              |
| MNGT Elective .....                               | 3              |
| HRSM Elective .....                               | 3              |
| HRSM Elective .....                               | 3              |
| Total Hours.....                                  | 24             |

### MNGT Electives

|                                                 |   |
|-------------------------------------------------|---|
| MNGT 3490 Special Problems/Special Topics ..... | 3 |
| MNGT 4390 Small Business Management .....       | 3 |
| MNGT 4924 Internship .....                      | 3 |



**HRSM Electives**

|                                                                   |   |
|-------------------------------------------------------------------|---|
| HRSM 4600 Employee Recruitment and Selection .....                | 3 |
| HRSM 4610 Human Resource Development, Evaluation and Safety ..... | 3 |
| HRSM 4440 Labor Management Relations .....                        | 3 |

**Human Resource Management Major**

The Human Resource Management major prepares students for jobs and careers in a wide variety of positions in human resources and general management. Virtually all managers have to manage people effectively to execute business strategies and achieve organizational goals. Thus, a major in human resource management (HRM) emphasizing people management skills has broad application for students in jobs and careers. Students may become member of the Society for Human Resource Management (SHRM) Student Club at AUM where they can attend meetings and network with HR practitioners. The national Society for Human Resource Management, the leading professional organization in the field, has certified that the human resource management curriculum at AUM is aligned with the recommended requirements for HR degree programs as outlined in the SHRM HR Curriculum Guidebook and Templates.

| Human Resource Management Specialization Major Requirements..... | Semester Hours |
|------------------------------------------------------------------|----------------|
| HRSM 3150 Human Resources Management.....                        | 3              |
| HRSM 4050 Employment Law .....                                   | 3              |
| HRSM 4440 Employee and Labor Relations .....                     | 3              |
| HRSM 4500 Managing Reward Systems.....                           | 3              |
| HRSM 4600 Employee Recruitment and Selection .....               | 3              |
| HRSM 4610 Training, Development, and Risk Management.....        | 3              |
| HRSM 4890 Strategic Human Resource Management .....              | 3              |
| HRSM Approved Elective .....                                     | 3              |
| Total Hours.....                                                 | 24             |

**HRSM Electives**

|                                   |   |
|-----------------------------------|---|
| HRSM 4924 Internship.....         | 3 |
| MNGT 4250 Managing Diversity..... | 3 |

**Marketing Specialization**

The importance of marketing is underlined by the fact that marketing activities constitute one-half of the total cost of an average product and that a marketing orientation is linked with the purpose of any business or organization; that is, serving customer needs. The program of study in marketing provides the knowledge students need to successfully create customer value in a dynamic environment. Creating customer value requires a balance between thinking logically and creatively, and the marketing specialization challenges students to do both. Students also have opportunities to develop interpersonal and communication capabilities, and valuable skills in demand by local, national and international employers.

Students in the marketing specialization take a common body of MKTG courses beyond the College of Business core. In addition, elective courses allow each student to tailor his or her studies to a particular area of interest. Students are encouraged to work with the marketing faculty to choose these electives. Students can also choose to focus on hospitality and tourism as an option within the marketing specialization.

| Marketing Specialization Requirements                   | Semester Hours |
|---------------------------------------------------------|----------------|
| MKTG 4360 Marketing Research .....                      | 3              |
| MKTG 4400 Professional Selling & Sales Management ..... | 3              |
| MKTG 4410 Buyer Behavior .....                          | 3              |
| MKTG 4650 International Marketing .....                 | 3              |
| MKTG 4780 Marketing Strategy .....                      | 3              |
| Marketing Electives .....                               | 9              |
| Total Hours.....                                        | 24             |

## Hospitality and Tourism Option

The hospitality and tourism industry currently employs one in 10 people worldwide and this number is projected to grow. If you are interested in working for amusement parks, pro sports teams or in the resort industry, you should consider this option.

| Hospitality and Tourism Option Requirements .....       | Semester Hours |
|---------------------------------------------------------|----------------|
| MKTG 4360 Marketing Research* .....                     | 3              |
| MKTG 4400 Professional Selling & Sales Management ..... | 3              |
| MKTG 4410 Buyer Behavior* .....                         | 3              |
| MKTG 4650 International Marketing .....                 | 3              |
| MKTG 4780 Marketing Strategy* .....                     | 3              |
| MKTG 4924 Internship in Marketing* .....                | 3              |
| Marketing Electives .....                               | 6              |
| Total Hours .....                                       | 24             |

*\*The hospitality and tourism option includes the basic core MKTG courses in the marketing specialization; however, MKTG 4924 Internship in Marketing is also required. In addition, students in this option will focus on the hospitality and tourism industry when completing the major projects in MKTG 4360, MKTG 4410 and MKTG 4780.*

## General Business Specialization

The general business specialization is designed for students who desire a more general background in the different functional areas of business or a custom-designed specialization. The general business option is composed of courses selected from different areas of business. For most students, the College of Business advises the student to select a specialization. The general business option consists of four required courses and four approved business electives. The four required courses consist of one course from four of the different areas of business.

| General Business Option Requirements .....      | Semester Hours |
|-------------------------------------------------|----------------|
| FINA 3650 Financial Institutions & Market ..... | 3              |
| HRSM 3150 Human Resource Management .....       | 3              |
| MKTG 4410 Buyer Behavior .....                  | 3              |

The four courses are selected from the following (select only one from each area):

| Department Courses .....                                      | Semester Hours |
|---------------------------------------------------------------|----------------|
| <b>Accounting</b>                                             |                |
| ACCT 3110 Intermediate Accounting I .....                     | 3              |
| ACCT 3310 Income Tax Accounting .....                         | 3              |
| ACCT 3200 Accounting Systems and Internal Control .....       | 3              |
| ACCT 3210 Managerial Cost Accounting .....                    | 3              |
| <b>Finance</b>                                                |                |
| FINA 3620 Financial Management II .....                       | 3              |
| FINA 4640 Investment Analysis and Portfolio Management .....  | 3              |
| FINA 4700 Short-Term Financial Management .....               | 3              |
| <b>Information Systems and Decision Science</b>               |                |
| INFO 3000 Java I .....                                        | 3              |
| INFO 3560 Database Systems .....                              | 3              |
| INFO 4300 E-Commerce and Data Communications .....            | 3              |
| <b>Human Resource</b>                                         |                |
| HRSM 4000 Compensation Management .....                       | 3              |
| HRSM 4050 Employment Law .....                                | 3              |
| HRSM 4600 Employee Recruitment, Selection and Appraisal ..... | 3              |



**Management**

|                                                     |   |
|-----------------------------------------------------|---|
| MNGT 3420 Legal Aspects of Business Management..... | 3 |
| MNGT 4100 Business Ethics .....                     | 3 |
| MNGT 4500 Leadership for a Changing World .....     | 3 |

**Marketing**

|                                                           |   |
|-----------------------------------------------------------|---|
| MKTG 4400 Professional Selling and Sales Management ..... | 3 |
| MKTG 4650 International Marketing.....                    | 3 |
| MKTG 4600 Services Marketing.....                         | 3 |

The remaining courses are approved 3000/4000 level business electives. The general business student is encouraged to take one course from each of the different functional areas of business.

## Information Systems Specialization

The program of study in information systems (IS) is designed to prepare students to be business-oriented, technically proficient IS professionals who can perform and eventually lead systems analysis, systems development and technology management activities, using state-of-the-art, web-based and traditional software tools and design methodologies.

Students will develop the skills and knowledge necessary to analyze and understand business problems and apply information technology to help solve these problems. Students will learn how to analyze client needs, define systems to meet these needs, develop applications, manage operations and act as technical intermediaries between management and other technical staff. Courses require extensive hands-on projects, teamwork and use of high-end technology in labs. People attracted to IS enjoy solving puzzles, being involved in creative tasks, are comfortable around technology and like change. Skills required for success in IS are analytical thinking, good oral and written communication and teamwork. IS professionals often deal with a number of tasks simultaneously, consequently the ability to concentrate and pay close attention to details is important.

Students in the information systems curriculum take a common body of INFO courses beyond the College of Business core. In addition, four elective courses allow students to tailor their studies to a particular area of interest. Study within the information systems area is broken into an infrastructure option or an applications option. Students can focus on two areas of emphasis within each of these option areas.

**General Information Systems Option****Semester Hours****IS Core Courses (12 Hours)**

|                                         |   |
|-----------------------------------------|---|
| INFO 3000 Java I or INFO 3200 C++I..... | 3 |
| INFO 3560 Database Systems.....         | 3 |
| INFO 3700 Data Communication .....      | 3 |
| INFO 4800 Project Management.....       | 3 |

**Option Courses (12 Hours)**

Any Four INFO courses

Total Hours..... 24

**Enterprise Network Management Option****Semester Hours****IS Core Courses (12 Hours)**

|                                    |   |
|------------------------------------|---|
| INFO 3200 C++I .....               | 3 |
| INFO 3560 Database Systems.....    | 3 |
| INFO 3700 Data Communication ..... | 3 |
| INFO 4800 Project Management.....  | 3 |

**Option Courses (12 Hours)**

|                                                           |   |
|-----------------------------------------------------------|---|
| INFO 2100 Network Operating Sys (Required).....           | 3 |
| INFO 4000 Network Design & Administration (Required)..... | 3 |

|                                                            |    |
|------------------------------------------------------------|----|
| Any Two:                                                   |    |
| INFO 3000 Java I .....                                     | 3  |
| INFO 4100 Data Storage Technology Concepts .....           | 3  |
| INFO 4200 Disaster Recovery and Contingency Planning ..... | 3  |
| INFO 4400 Network Security & Legal Issues .....            | 3  |
| Total Hours.....                                           | 24 |

**Enterprise Data Management & Applications Option****Semester Hours****IS Core Courses (12 Hours)**

|                                    |   |
|------------------------------------|---|
| INFO 3000 Java I .....             | 3 |
| INFO 3560 Database Systems.....    | 3 |
| INFO 3700 Data Communication ..... | 3 |
| INFO 4800 Project Management.....  | 3 |

**Option Courses (12 Hours)**

|                                                                 |   |
|-----------------------------------------------------------------|---|
| INFO 3010 Java II (Required) .....                              | 3 |
| INFO 4780 Sys. Analysis Design & Implementation (Required)..... | 3 |

**Any Two:**

|                                                  |   |
|--------------------------------------------------|---|
| INFO 2100 Network Operating Systems.....         | 3 |
| INFO 3800 Web Application Development.....       | 3 |
| INFO 3810 Mobile Application Development.....    | 3 |
| INFO 4100 Data Storage Technology Concepts ..... | 3 |
| INFO 4560 Data Base Administration.....          | 3 |

|                  |    |
|------------------|----|
| Total Hours..... | 24 |
|------------------|----|

## Accelerated Master's Degree Option

This program allows accepted undergraduate students with at least 90+ hours and a 3.3 GPA to take up to nine hours of approved 5000 level course work. These 5000 level courses will count as both undergraduate and graduate course work at AUM provided students enroll in the respective graduate program within one calendar year and earn a B or better in each course..

The following is a listing of approved 5000 level courses:

ACCT 5320 Taxation of Business Entities  
 ACCT 5510 Governmental & Nonprofit Accounting & Financial Reporting  
 INFO 5300 E-Commerce and Mobile Technologies  
 INFO 5550 Data Mining Methods and Application  
 INFO 5850 Managing Sustainability  
 INFO 5880 Data Analytics for Competitive Advantage  
 MNGT 5300 Issues in Sustainability  
 MNGT 5400 Managing the Legal Environment  
 MNGT 5410 Ethical/Social Responsibility  
 MNGT 5600 Staffing Organizations



# College of Education

Dr. Sheila M. Austin, Dean

## Faculty:

### Counselor, Leadership, and Special Education

Professors Austin (Dean), Bicard, Morton, and Simmons

Associate Professor Hard

Assistant Professors Darch, Miller (Head), and Sparks

### Curriculum, Instruction, and Technology

Professors Bowden, Dueñas, and Shumack

Associate Professors Beziat, Bourke, Burks (Head), Hogan, Lewis, Smith, and S. Varma

Assistant Professors Klash, and Shelley

Clinical Assistant Professor Campbell

### Kinesiology

Professors Reilly, and Schaefer (Head)

Associate Professor Foo

Assistant Professors Allegro-Welsh, and Russell

Clinical Assistant Professor Walker

## Programs:

### Elementary Education

Childhood Education (P-6)

Elementary Education (K-6)

Elementary Education (P-3)

### Kinesiology

Physical Education (P-12)

Exercise Science

Sport Management

### Secondary Education (6-12)

English Language Arts

General Science

History/Social Science

Mathematics

### Special Education

Early Childhood Special Education (B-8)

Collaborative Teacher (K-6) and Elementary Education

Collaborative Teacher (6-12)

## College of Education

Professional study in the College of Education is based on a framework that prepares competent, committed and reflective professional educators. The college is committed to providing challenging opportunities for a diverse learning community in a nurturing environment.

Consistent with the mission of AUM, the College of Education strives to fulfill the following goals:

1. Provide individuals seeking careers in education with the knowledge, competencies, ethical attitudes, skills and credentials necessary for successful performance in the teaching profession.
  - A. Utilize recruitment, admission, retention and advising activities that facilitate student progress and guarantee highly qualified graduates.
  - B. Include in all teacher education programs a general studies component that will enable each student to become a well-educated person, as defined in the AUM Mission Statement.
  - C. Provide, thorough course work and field/clinical experiences within the professional studies component of each program, cognitive and affective experiences that enable students to become dedicated, ethical, successful teachers.
  - D. Provide prospective educators with a basic understanding of cultural diversity.
  - E. Provide prospective educators with the knowledge and skills necessary to teach children with exceptionalities.
  - F. Develop student skills and attitudes necessary for decision making, investigation, research, lifelong learning and continued professional development.
  - G. Prepare prospective educators to meet the demands of advances in knowledge and technology.
2. Provide undergraduate level programs leading to the master's and education specialist's degrees that will enable graduates to improve and extend their professional competencies and leadership abilities.
3. Based on a coordinated plan for external and internal program evaluation, continually study and modify undergraduate and graduate programs to ensure quality learning experiences that reflect sound educational thinking.
4. Provide leadership in educational innovation and emphasize learning experiences that will encourage graduates to evaluate trends and become change agents for educational improvement.
5. Improve and extend resources necessary for implementing quality educational programs.
6. Engage in research that contributes to instructional programs and the advancement of knowledge.
7. Continue to serve the community, state and region by educating qualified professional personnel, providing on-campus educational services and extending faculty expertise and university resources to schools and agencies within the region.

## Accreditation

The College of Education is accredited by the National Council for the Accreditation of Teacher Education (NCATE) and individual programs are approved by the Alabama State Department of Education or have received national recognition. The Early Childhood Education program is accredited by the National Association for the Education of Young Children (NAEYC). The Physical Education program is accredited by the National Association for Sport and Physical Education (NASPE). All other programs have been approved by the Alabama State Department of Education.

## Bachelor of Science in Education

The College of Education offers courses leading to the B.S. in Education. The student may elect to pursue a program of teacher preparation designed to prepare elementary, early childhood, physical education, special education or secondary school teachers. The programs in education are composed of the following:

1. A broad core of courses that comply with the Core Curriculum
2. A professional education program consisting of courses in foundations of education and methods and curriculum in areas of specialization



3. Course work in areas of specialization providing depth of understanding required of the teacher
4. Professional field/clinical experiences, including field experiences in methods courses and special practica and Professional Internships.

## Field Experiences Program

The Field Experiences Program provides sequential opportunities for education students to participate in learning activities in a variety of school and community settings. The Field Experiences Program is divided into four areas: Pre-professional Field Experiences, Professional Field Experiences, Professional Practicum Experiences, and Professional Internship.

The Pre-professional Field Experiences are designed to provide freshman and sophomore teacher education candidates initial field experiences in school or community settings. Students may enroll in pre-professional courses before being admitted to the Professional Education Program.

The Professional Field Experiences provide concurrent experiences for teacher education candidates enrolled in the appropriate professional methods courses. Candidates are provided laboratory time for involvement in actual teaching experiences in areas of specialization. Candidates are admitted to the Professional Education Program before enrolling in professional courses.

The College of Education has established special partnership arrangements with many elementary and secondary schools. Candidates have opportunities for clinical experiences in surrounding school districts.

## Admission to the Professional Education Program

Each student preparing to teach must be admitted to the Professional Education Program and complete that program as one of the qualifications for teacher certification. Applications to enter the program should be filed with the College of Education during the fourth semester in school or upon the completion of 50 hours of course work. Students may not register for advanced level education courses until they have been admitted to the Professional Education Program.

The final dates for submission are as follows:

|                      |            |
|----------------------|------------|
| Fall semester .....  | June 15    |
| Spring semester..... | October 15 |
| Summer term .....    | March 15   |

### I. Requirements for admission to Professional Education:

#### A. Prerequisite course work:

A minimum of 50 hours of work completed, including the following courses or their equivalents:

FNDS 2010  
FNDS 2120  
FNDS 2140  
ENGL 1010 and ENGL 1020  
COMM 1010

#### B. Fingerprint: Background clearance by FBI and ABI before participating in field experiences in public school systems.

#### C. Interview:

Satisfactory interviews designed to provide information on whether the applicant's dispositions and interests are consistent with the requirements for successful teaching will be conducted prior to admission to Professional Education.

#### D. Communication skills:

The student should demonstrate proficiency in reading and oral and written English as demonstrated by the following:

1. The student must have a grade of 2.0 (on a 4.0 scale) or better in COMM 1010 or its equivalent.

2. The student must have a grade of 2.0 (on a 4.0 scale) or better in ENGL 1010 and ENGL 1020 or their equivalents with no grade lower than C accepted.
3. The student must present verification that a speech and hearing examination was administered by the Speech and Hearing Clinic personnel. In the event these tests reveal any deficiency, recommendations for remediation procedures will be communicated to the student. These recommendations may include speech therapy or referral to a physician.

**E. Scholarship:**

1. A minimum GPA of 2.75 overall is required on course work on the program plan of study taken prior to admission to Professional Education.
2. A minimum GPA of 2.75 in the teaching field is required with no grade less than a C accepted.
3. A minimum GPA of 2.75 in the professional education courses is required with no grade less than a C accepted.
4. Students majoring in any education program will not be allowed to take professional studies or teaching field courses more than twice. This refers to any course on page 2 (the back) of the plan of study.

**F. Basic Skills Test Score:**

The student must successfully complete all sections of the ETS Praxis Core Academic Skills for Educators Test of mathematics, reading and writing as a precondition for admission into an initial educator preparation program in Alabama. Students who took the ACT WorkKeys assessments prior to September 1, 2017 may use those scores prior to September 1, 2022, in partial fulfillment of requirements for admission to the Class B program.

**G. Notification:**

After application for admission to Professional Education, the student's application file will be reviewed by the Certification Office, and the student will be notified in writing of acceptance or denial. In the event of denial, the student may request an interview with the Committee for Admission to Professional Education. The student may reapply for admission to Professional Education after deficiencies are met in lieu of or in addition to an interview.

**H. PHED Health Fitness Test Requirements:**

In order to meet national (SHAPE) and Alabama Department of Education Standards, every student majoring in the Department of Physical Education and Exercise Science must participate in, and pass, a standardized physical fitness test prior to their internship: The AUM Health Fitness Test. Students must take the fitness test a minimum of two times:

**Part 1.** Initially, those students majoring in Physical Education must take the Test prior to admission to professional education. Students majoring in Exercise Science must take the Test prior to enrolling in PHED 4003 Physiology of Exercise or PHED 4043 Kinesiology. Students majoring in Sport Management must take the Health and Fitness Test while enrolled in PHED 2010 Foundations of Health and Physical Education. Students majoring in Sport Leadership must take the Test prior to being admitted to professional studies. If a student fails to score in the Healthy Fitness Zone on any test item they will be referred to enroll in an appropriate physical activity course as part of a remediation process to improve their health related physical fitness.

**Part 2.** Students majoring in Physical Education, Sport Leadership, Exercise Science, and Sport Management must also retake and pass the AUM Health Related Fitness Test the semester that precedes their admission to Internship.

**Part 3.** Swimming Requirement: Students will be required to take a swimming competency test or pass PHED 1113 Beginning and Intermediate Swimming. Students must pass the swimming test or course prior to admission to Internship.

**II. Persons to whom these criteria apply:**

Students pursuing initial teaching certification at the Class B level must apply for admission to Professional Education and be screened according to the previously listed criteria.



## Admission to the Professional Internship Program

The professional internship course is a full-time assignment in an area public/private school or community agency. The internship involves orientation, teaching experience, professional school and community involvement and evaluation.

The student devotes a full semester to the internship.

Prior to the internship the student must submit an application approved by his or her advisor to the Certification Office. The final dates for submission of the internship application are as follows:

Fall semester internship ..... March 30  
 Spring semester internship.....August 30  
 (There are no summer internships available.)

### I. Requirements for admission to professional internship:

#### A. Prerequisite course work:

1. A minimum of 100 hours completed, including the professional courses or their equivalents as determined by the student's advisor.
2. Students who are completing certification programs must meet all prerequisites and may enroll in professional internship during the last two semesters of the program.

#### B. Scholarship:

1. A minimum GPA of 2.75 overall is required on course work on the program plan of study taken prior to admission to professional internship.
2. A minimum GPA of 2.75 in his or her major teaching field is required with no grade less than a C accepted.
3. A minimum GPA of 2.75 in the education courses is required with no grade less than a C accepted.

#### C. Praxis - Content Knowledge Test(s):

The student must pass all appropriate Praxis content knowledge test(s) before beginning the internship.

#### D. edTPA - All initial certification teacher candidates will be required to successfully complete the edTPA in their area of study during the internship. A passing score on the edTPA is required for Alabama certification.

#### E. Additional considerations:

1. Teaching is a specialized profession that requires the ability to relate effectively to others as well as demonstrate academic competence. Because of the special nature of this program, the faculty reserves the right to recommend to the department head and the dean the exclusion of students from the internship based on criteria other than scholarship.
2. After application for admission to the professional internship, the student's application file will be reviewed by the Certification Office, and the student will be notified in writing of acceptance or denial. In the event of denial, the student may request an interview with the Committee for Admission to Professional Internship. The student may reapply for admission after deficiencies are met in lieu of or in addition to an interview.
3. Students may not enroll in additional courses during the professional internship. Requests for exceptions will be considered only in unusual cases.
4. Students majoring in Physical Education, Exercise Science, Sport Management must retake and pass the AUM health-related fitness test prior to admission to internship.

### II. Internship requirements:

- A. The student must complete a professional internship.
- B. Interns must be exposed to, and given experience in, all responsibilities of the classroom teacher.
- C. Interns must be responsible for planning, teaching and evaluating at least one major unit of work.
- D. The student will receive a letter grade in the internship. In the event the intern receives a letter grade of D or F, the student must reapply for and repeat the internship. The new application must be approved by the Committee for the Professional Internship prior to enrollment in the internship course.

**III. Retention and completion requirements:**

To remain in the professional program, each student shall make satisfactory progress as determined by continuous evaluation according to institutional policies and procedures. The following minimum requirements shall be met to qualify for Class B certification:

- A. Effective July 1, 2017, satisfactory completion of a state-approved program with at least a 2.75 GPA on all work attempted and at least a 2.75 GPA with no grade less than a C accepted on all work attempted in the teaching field and in professional teacher education will be required.
- B. Demonstrated readiness to teach through on-the-job performance as an intern as determined by use of the AUM Intern Evaluation form.
- C. Completion of the Teacher Education Program no later than four years after admission to the program. A student who does not complete the program within a four-year period may be reinstated, consistent with AUM policy.
- D. A passing score on the appropriate PRAXIS Test(s).

**IV. Persons to whom these criteria apply:**

The student pursuing initial teaching certification at the B level must apply for admission to professional internship and be screened according to the previously listed criteria.

## Teacher Certification

Programs in the College of Education are approved by the Alabama Board of Education for certifying elementary, early childhood, special education, physical education, and secondary teachers. In order to receive the Alabama Class B teaching certificate, the applicant must apply through the College of Education's Teacher Certification Office after successful completion of all graduation requirements specific to their program. Requirements for a Class B certificate include:

1. An official transcript from AUM, a regionally accredited institution, documenting an earned bachelor's degree.
2. Effective July 1, 2017, and thereafter, satisfactory completion of a State-approved program with a minimum GPA of 2.75 overall, 2.75 in the teaching field, and 2.75 in professional studies courses with no grade below a C in professional studies courses will be required.
3. Successful completion of an internship.

## Transient Work

A student enrolled in the College of Education who wishes to take courses at another regionally accredited university may do so with permission. Approval may be granted if the student has completed at least 9 hours at AUM and has a 2.50 grade-point average. The College of Education will not accept professional studies courses taken at a junior/community college. This does NOT apply to subject specific content courses. Upper level professional studies course work (3000 and 4000 level courses) from other four-year institutions may be transferred after review by the College of Education.

## Reciprocity

Graduates of NCATE (or CAEP) accredited professional education programs are eligible to be granted reciprocity when applying for a license to work in the schools of some states. To determine if they qualify for this privilege, graduates of NCATE (or CAEP) accredited institutions should contact the state director of teacher education and certification in the state in which they are interested in teaching.

**Courses, Credits, and/or Programs Acceptable to Meet State Approved Program Requirements:**

1. Transferred courses and/or credits used to meet approved program requirements in professional studies, instructional support, or other approved program requirements (courses other than general studies and Arts and Sciences type courses used to meet major requirements) must have been completed at a regionally accredited institution that prepares teachers on the same degree level of certification.



2. Courses, credits and/or degrees accepted from institutions outside the United States shall be substantiated by an evaluation of the foreign credentials from a state, federal, or private foreign credential evaluation service recognized by the Alabama State Department of Education Office of Teaching and Learning. The evaluation must show that courses, credits, and/or degrees were earned at an institution equivalent to a regionally accredited institution in the United States.

## Student Affairs Committee

Students concerned about student evaluation, advising, recruitment, retention, student welfare and similar issues should contact the chairperson of the Student Affairs Committee of the College of Education as the initial step toward resolution.

## Student Load

A normal semester load is 12 to 15 hours. Scheduling more than 18 hours requires written permission from the dean of the College of Education.

## Programs in Education

Most programs in Education lead to certification through the Alabama State Department of Education. Programs resulting in Alabama Teacher Certification are subject to all regulations set forth by the Teacher Education Code. Implementation of additional requirements may be mandated by the Alabama State Department of Education and will supersede the current catalog program requirements. Candidates should consult their education advisor for specific program requirements necessary for certification.

UNIV 1000 will be required of all entering freshman/freshman transfer students and transfer students with a GPA of 2.2 or lower but is not included in the degree requirements for certification.

## Certification Programs: Elementary Education

### Concentrations in Childhood Education, Early Childhood Education, and Elementary Education

The undergraduate Childhood Education Program at Auburn Montgomery prepares students for careers as classroom teachers in elementary or middle schools (grades K-6), early childhood center directors, Head Start teachers, or early childhood center teachers. Coursework will be provided in all subject areas, along with extensive field experiences in settings with infants, toddlers, and/or elementary-aged children. Professional Internship is provided in an Elementary/Middle School and/or an Alabama Head Start program. The Childhood Education concentration allows students to receive two levels of state certification, Early Childhood Education (grades P-3) and Elementary Education (grades K-6). The Early Childhood concentration leads to state certification in Early Childhood Education and the Elementary Education concentration leads to state certification in Elementary Education.

#### Requirements for Childhood Education (P-6):

##### I. AUM Core Requirements

|                                                                      |    |
|----------------------------------------------------------------------|----|
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....       | 6  |
| b. Area II - Humanities and Fine Arts* .....                         | 12 |
| c. Area III - Natural Sciences and Mathematics .....                 | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* ..... | 12 |
| Total Hours Core Curriculum Requirements.....                        | 41 |

|                                                      |           |
|------------------------------------------------------|-----------|
| <b>II. Professional Education Requirements.....</b>  | <b>15</b> |
| (**Required for admission to Professional Education) |           |
| a. FNDS 2010**                                       |           |
| b. FNDS 2120**                                       |           |
| c. FNDS 2140**                                       |           |
| d. ESPE 3760                                         |           |
| e. INST 4703                                         |           |
| <b>III. Additional Requirements.....</b>             | <b>18</b> |
| a. Biological or Physical Science                    |           |
| b. Biological or Physical Science                    |           |
| c. FNDS 4800                                         |           |
| d. MATH 1310                                         |           |
| e. MATH 1320                                         |           |
| f. Advisor approved MATH                             |           |
| <b>IV. Major Requirements/Teaching Field .....</b>   | <b>33</b> |
| <b>V. Internship Requirements.....</b>               | <b>18</b> |
| a. ECHE 4914                                         |           |
| b. ECEL 4924                                         |           |
| c. ECEL 4453                                         |           |
| *A sequence of Literature or History required        |           |

## Kinesiology

### Physical Education (P-12)

The physical education/teacher certification program prepares candidates to teach physical education in a (P-12) school setting. Students will take methods of teaching and professional core courses leading to internships in both elementary and secondary schools. The candidates must meet Auburn Montgomery and Alabama State Department of Education teacher certification requirements. Prior to graduation the candidate must make a passing score on the PRAXIS II Exam.

#### Requirements for Physical Education (P-12):

|                                                                              |           |
|------------------------------------------------------------------------------|-----------|
| <b>I. AUM Core Requirements</b>                                              |           |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....               | 6         |
| b. Area II - Humanities and Fine Arts* .....                                 | 12        |
| c. Area III - Natural Sciences and Mathematics .....                         | 11        |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....         | 12        |
| Total Hours Core Curriculum Requirements.....                                | 41        |
| <b>II Professional Education Requirements.....</b>                           | <b>15</b> |
| (**Required for admission to Professional Education)                         |           |
| a. FNDS 2010**                                                               |           |
| b. FNDS 2120**                                                               |           |
| c. FNDS 2140**                                                               |           |
| d. INST 4703                                                                 |           |
| e. PHED 4160                                                                 |           |
| <b>III. Additional Requirements.....</b>                                     | <b>12</b> |
| a. PHED 2203                                                                 |           |
| b. PHED 2130                                                                 |           |
| c. PHED 4030                                                                 |           |
| d. PHED 4183                                                                 |           |
| <b>IV. Physical Education (P-12) Major Requirements/Teaching Field .....</b> | <b>48</b> |
| <b>V. Internship Requirements.....</b>                                       | <b>10</b> |
| a. PHED 4914                                                                 |           |
| b. PHED 4924                                                                 |           |

\*A sequence of Literature or History required



## Secondary Education

General studies, professional studies and the academic teaching major are the principal components of the secondary education programs. Each component is important in the preparation of teacher candidates.

The undergraduate programs in secondary education are designed to prepare middle school, junior and senior high school teachers (grades 6-12) with:

1. A general education program consisting of required courses and electives approved by the student's academic advisor.
2. An academic major in one or more of the major instructional areas of the secondary school curriculum:  
 English Language Arts                      General Science  
 Mathematics                                  History/Social Science

Note: Some secondary education majors will be assigned two academic advisors, one in the College of Education and another in the academic major.

Students will not only be expected to satisfy College of Education requirements for admission to professional education and professional internship, but also graduation requirements in each major.

### Requirements for Secondary Education/General Science (6-12):

#### I. AUM Core Requirements

- a. Area I - Written Composition (ENGL 1010 and ENGL 1020)..... 6
- b. Area II - Humanities and Fine Arts\* ..... 12
- c. Area III - Natural Sciences and Mathematics ..... 15
- d. Area IV - History, Social Sciences and Behavioral Sciences\* ..... 12
- Total Hours Core Curriculum Requirements..... 45

#### II. Professional Education Requirements ..... 15

(\*\*Required for admission to Professional Education)

- a. FNDS 2010\*\*
- b. FNDS 2120\*\*
- c. FNDS 2140\*\*
- d. ESPE 3760
- e. INST 4703

#### III. Additional Requirements..... 12

- a. FNDS 4800
- b. SCED 4000
- c. SCED 4050
- d. SCED 4130

#### IV. Secondary Education/General Science Major Requirements/Teaching Field ..... 50

#### V. Internship Requirements..... 10

- a. SCED 4914
- b. SCED 4924
- c. SCED 4982

\*A sequence of Literature or History required

### Requirements for Secondary Education/English Language Arts (6-12):

#### I. AUM Core Requirements

- a. Area I - Written Composition (ENGL 1010 and ENGL 1020)..... 6
- b. Area II - Humanities and Fine Arts\* ..... 15
- c. Area III - Natural Sciences and Mathematics ..... 11
- d. Area IV - History, Social Sciences and Behavioral Sciences\* ..... 12
- Total Hours Core Curriculum Requirements..... 44

|                                                                                                     |    |
|-----------------------------------------------------------------------------------------------------|----|
| <b>II. Professional Education Requirements</b> .....                                                | 15 |
| (**Required for admission to Professional Education)                                                |    |
| a. FNDS 2010**                                                                                      |    |
| b. FNDS 2120**                                                                                      |    |
| c. FNDS 2140**                                                                                      |    |
| d. ESPE 3760                                                                                        |    |
| e. FNDS 4703                                                                                        |    |
| <b>III. Additional Requirements</b> .....                                                           | 20 |
| a. FNDS 4800                                                                                        |    |
| b. SCED 4000                                                                                        |    |
| c. SCED 4050                                                                                        |    |
| d. SCED 4100                                                                                        |    |
| e. Two courses of Foreign Language (8 semester hours)                                               |    |
| <b>IV. Secondary Education/English Language Arts (6-12) Major Requirements/Teaching Field</b> ..... | 39 |
| <b>V. Internship Requirements</b> .....                                                             | 10 |
| a. EDUC 4914                                                                                        |    |
| b. SCED 4924                                                                                        |    |
| c. SCED 4982                                                                                        |    |
| *A sequence of Literature and History required                                                      |    |

#### Requirements for Secondary Education/Mathematics (6-12):

|                                                                                           |    |
|-------------------------------------------------------------------------------------------|----|
| <b>I. AUM Core Requirements</b>                                                           |    |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....                            | 6  |
| b. Area II - Humanities and Fine Arts* .....                                              | 12 |
| c. Area III - Natural Sciences and Mathematics .....                                      | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....                      | 12 |
| Total Hours Core Curriculum Requirements.....                                             | 41 |
| <b>II. Professional Education Requirements</b> .....                                      | 15 |
| (**Required for admission to Professional Education)                                      |    |
| a. FNDS 2010**                                                                            |    |
| b. FNDS 2120**                                                                            |    |
| c. FNDS 2140**                                                                            |    |
| d. ESPE 3760                                                                              |    |
| e. INST 4703                                                                              |    |
| <b>III. Additional Requirements</b> .....                                                 | 15 |
| a. ELEM 4100                                                                              |    |
| b. FNDS 4800                                                                              |    |
| c. SCED 4000                                                                              |    |
| d. SCED 4050                                                                              |    |
| e. SCED 4110                                                                              |    |
| <b>IV. Secondary Education/Mathematics (6-12) Major Requirements/Teaching Field</b> ..... | 45 |
| <b>V. Internship Requirements</b> .....                                                   | 10 |
| a. SCED 4914                                                                              |    |
| b. SCED 4924                                                                              |    |
| c. SCED 4982                                                                              |    |
| *A sequence of Literature or History required                                             |    |

#### Requirements for Secondary Education/History/Social Science (6-12):

|                                                                      |    |
|----------------------------------------------------------------------|----|
| <b>I. AUM Core Requirements</b>                                      |    |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....       | 6  |
| b. Area II - Humanities and Fine Arts* .....                         | 12 |
| c. Area III - Natural Sciences and Mathematics .....                 | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* ..... | 12 |



|                                                                                             |           |
|---------------------------------------------------------------------------------------------|-----------|
| Total Hours Core Curriculum Requirements.....                                               | 41        |
| <b>II. Professional Education Requirements.....</b>                                         | <b>15</b> |
| (**Required for admission to Professional Education)                                        |           |
| a. FNDS 2010**                                                                              |           |
| b. FNDS 2120**                                                                              |           |
| c. FNDS 2140**                                                                              |           |
| d. ESPE 3760                                                                                |           |
| e. INST 4703                                                                                |           |
| <b>III. Additional Requirements.....</b>                                                    | <b>20</b> |
| a. FNDS 4800                                                                                |           |
| b. SCED 4000                                                                                |           |
| c. SCED 4050                                                                                |           |
| d. SCED 4140                                                                                |           |
| e. Two courses of Foreign Language (8 semester hours)                                       |           |
| <b>IV. Secondary Education/Social Science (6-12) Major Requirements/Teaching Field.....</b> | <b>47</b> |
| <b>V. Internship Requirements.....</b>                                                      | <b>10</b> |
| a. SCED 4914                                                                                |           |
| b. SCED 4924                                                                                |           |
| c. SCED 4982                                                                                |           |
| *A sequence of Literature or History required                                               |           |

## Special Education

The undergraduate programs in Special Education at Auburn Montgomery lead to teacher certification in the areas of Early Childhood Special Education, Collaborative Teacher (K-6)/Elementary Education, and Collaborative Teacher (6-12). Each program of study culminates with a one semester internship in a school setting where the candidate has the opportunity to demonstrate abilities and skills as professional educators. Candidates seeking degrees in these areas will be prepared to provide special education services to infants, toddlers, children, and youth with disabilities.

Candidates in the area of Early Childhood Special Education will hold credentials to work both in Early Intervention as well as Preschool Special Education.

### Requirements for Early Childhood Special Education (Birth - Age 8):

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| <b>I. AUM Core Requirements</b>                                                     |           |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....                      | 6         |
| b. Area II - Humanities and Fine Arts* .....                                        | 12        |
| c. Area III - Natural Sciences and Mathematics .....                                | 11        |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....                | 12        |
| Total Hours Core Curriculum Requirements.....                                       | 41        |
| <b>II. Professional Education Requirements.....</b>                                 | <b>15</b> |
| (**Required for admission to Professional Education)                                |           |
| a. FNDS 2010**                                                                      |           |
| b. FNDS 2120**                                                                      |           |
| c. FNDS 2140**                                                                      |           |
| d. ESPE 3760                                                                        |           |
| e. INST 4703                                                                        |           |
| <b>III. Additional Requirements.....</b>                                            | <b>15</b> |
| a. Biological or Physical Science                                                   |           |
| b. Biological or Physical Science                                                   |           |
| c. MATH 1310                                                                        |           |
| d. MATH 1320                                                                        |           |
| e. Advisor approved Math                                                            |           |
| <b>IV. Early Childhood Special Education Major Requirements/Teaching Field.....</b> | <b>39</b> |

|                                               |          |
|-----------------------------------------------|----------|
| <b>V. Internship Requirements.....</b>        | <b>9</b> |
| a. ESPE 4924                                  |          |
| *A sequence of Literature or History required |          |

Candidates seeking a degree in Collaborative Teacher (K-6) and Elementary Education will receive dual teacher certification in special education and elementary education.

#### **Requirements for Collaborative Teacher (K-6)/Elementary Education:**

|                                                                                                      |           |
|------------------------------------------------------------------------------------------------------|-----------|
| <b>I. AUM Core Requirements</b>                                                                      |           |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....                                       | 6         |
| b. Area II - Humanities and Fine Arts* .....                                                         | 12        |
| c. Area III - Natural Sciences and Mathematics .....                                                 | 11        |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....                                 | 12        |
| Total Hours Core Curriculum Requirements.....                                                        | 41        |
| <b>II. Professional Education Requirements.....</b>                                                  | <b>15</b> |
| (**Required for admission to Professional Education)                                                 |           |
| a. FNDS 2010**                                                                                       |           |
| b. FNDS 2120**                                                                                       |           |
| c. FNDS 2140**                                                                                       |           |
| d. ESPE 3760                                                                                         |           |
| e. INST 4703                                                                                         |           |
| <b>III. Additional Requirements.....</b>                                                             | <b>15</b> |
| a. Biological or Physical Science                                                                    |           |
| b. Biological or Physical Science                                                                    |           |
| c. MATH 1310                                                                                         |           |
| d. MATH 1320                                                                                         |           |
| e. Advisor Approved MATH                                                                             |           |
| <b>IV. Collaborative Education (K-6)/Elementary Education Major Requirements/Teaching Field.....</b> | <b>42</b> |
| <b>V. Internship Requirements.....</b>                                                               | <b>9</b>  |
| a. ESPE 4924                                                                                         |           |
| b. ESPE 4925                                                                                         |           |
| *A sequence of Literature or History required                                                        |           |

The program area of Collaborative Teacher 6-12 provides the candidate with the skills necessary to provide special education services in the secondary school environment.

#### **Requirements for Collaborative Teacher (6-12):**

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>I. AUM Core Requirements</b>                                      |           |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....       | 6         |
| b. Area II - Humanities and Fine Arts* .....                         | 12        |
| c. Area III - Natural Sciences and Mathematics .....                 | 11        |
| d. Area IV - History, Social Sciences and Behavioral Sciences* ..... | 12        |
| Total Hours Core Curriculum Requirements.....                        | 41        |
| <b>II. Professional Education Requirements.....</b>                  | <b>15</b> |
| (**Required for admission to Professional Education)                 |           |
| a. FNDS 2010**                                                       |           |
| b. FNDS 2120**                                                       |           |
| c. FNDS 2140**                                                       |           |
| d. ESPE 3760                                                         |           |
| e. INST 4703                                                         |           |
| <b>III. Additional Requirements.....</b>                             | <b>15</b> |
| a. Biological or Physical Science                                    |           |
| b. Biological or Physical Science                                    |           |



|                                                                         |    |
|-------------------------------------------------------------------------|----|
| c. MATH 1310                                                            |    |
| d. MATH 1320                                                            |    |
| e. Advisor Approved MATH                                                |    |
| IV. Collaborative Teacher (6-12) Major Requirements/Teaching Field..... | 39 |
| V. Internship Requirements.....                                         | 9  |
| a. ESPE 4925                                                            |    |
| *A sequence of Literature or History required                           |    |

## Non-Certification Programs:

### Kinesiology Exercise Science

The exercise science program prepares candidates for a career or advanced study in exercise physiology and research in related fields including health promotion, cardiac rehabilitation, physical fitness, wellness and corporate fitness, human performance, and strength and conditioning. Students take classes in anatomy and physiology, kinesiology and biomechanics, measurement and evaluation, nutrition, the physiology and science of conditioning, and clinical exercise science. AUM's exercise science program is also an Educationally Recognized Program (ERP) by the National Strength and Conditioning Association (NSCA) at both the undergraduate and graduate levels. Pre-professional preparation can also be fulfilled for those seeking careers in physical and occupational therapy.

#### Requirements for Kinesiology (Non-Certification/Non-PT Track):

|                                                                                 |    |
|---------------------------------------------------------------------------------|----|
| I. AUM Core Requirements                                                        |    |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....                  | 6  |
| b. Area II - Humanities and Fine Arts* .....                                    | 12 |
| c. Area III - Natural Sciences and Mathematics .....                            | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....            | 12 |
| Total Hours Core Curriculum Requirements.....                                   | 41 |
| II. Required Course .....                                                       | 19 |
| a. BIOL 2100/2101                                                               |    |
| b. BIOL 2110/2111                                                               |    |
| c. PHED 2010                                                                    |    |
| d. PHED 2203                                                                    |    |
| e. 2PHED Activity Courses                                                       |    |
| III. Exercise Science (Non-Certification/Non-PT Track) Major Requirements ..... | 25 |
| IV. Advisor Approved electives .....                                            | 26 |
| V. Internship Requirements (Must be admitted to the Internship).....            | 9  |
| a. PHED 4922                                                                    |    |
| *A sequence of Literature or History required                                   |    |

#### Requirements for Kinesiology (Non-Certification/Pre-PT Track):

|                                                                                  |    |
|----------------------------------------------------------------------------------|----|
| I. AUM Core Requirements                                                         |    |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....                   | 6  |
| b. Area II - Humanities and Fine Arts* .....                                     | 12 |
| c. Area III - Natural Sciences and Mathematics .....                             | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....             | 12 |
| Total Hours Core Curriculum Requirements.....                                    | 41 |
| II. Required Courses .....                                                       | 19 |
| a. BIOL 2100/2101                                                                |    |
| b. BIOL 2110/2111                                                                |    |
| c. PHED 2010                                                                     |    |
| d. PHED 2203                                                                     |    |
| e. 2 PHED Activity Courses                                                       |    |
| III. Exercise Science (Non-Certification/Pre- PT Track) Major Requirements ..... | 25 |

|                                                                      |    |
|----------------------------------------------------------------------|----|
| IV. Advisor Approved electives .....                                 | 29 |
| V. Internship Requirements (Must be admitted to the Internship)..... | 9  |
| a. PHED 4922                                                         |    |
| *A sequence of Literature or History required                        |    |

## Sport Management

The undergraduate sport management program at Auburn Montgomery will assist students in preparing for sport related careers. A combination of sport related coursework and business class work will develop the knowledge and skills necessary to enter the sport industry. Instructors will assist students in exploring and determining potential career paths. Courses will focus on the uniqueness of sport in areas such as marketing, facility management, risk management and legal issues, leadership, ethics, etc. An internship is required.

### Requirements for Sport Management (Non-Certification):

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| I. AUM Core Requirements                                                     |    |
| a. Area I - Written Composition (ENGL 1010 and ENGL 1020).....               | 6  |
| b. Area II - Humanities and Fine Arts* .....                                 | 12 |
| c. Area III - Natural Sciences and Mathematics .....                         | 11 |
| d. Area IV - History, Social Sciences and Behavioral Sciences* .....         | 12 |
| Total Hours Core Curriculum Requirements.....                                | 41 |
| II. Required Courses .....                                                   | 15 |
| (**Required for admission to Professional Studies)                           |    |
| a. PHED 2010**                                                               |    |
| b. PHED 2003**                                                               |    |
| c. PHED 2203                                                                 |    |
| d. PHED 2020**                                                               |    |
| e. PHED 4363**                                                               |    |
| III. Sport Management Major Requirements/Professional Studies/Elective ..... | 58 |
| IV. Internship Requirements .....                                            | 6  |
| a. PHED 4934                                                                 |    |
| *A sequence of Literature or History required                                |    |

## Minor in Sports Nutrition

The sports nutrition minor provides the student with a strong foundation in nutrition principles and assessment in the context of sport.

### Students must complete fifteen hours in the following courses:

|                                                        |   |
|--------------------------------------------------------|---|
| PHED 4210 Nutrition Assessments.....                   | 3 |
| PHED 4220 Lifecycle and Community Nutrition .....      | 3 |
| PHED 4240 Metabolism and Function of Nutrients I.....  | 3 |
| PHED 4280 Metabolism and Function of Nutrients II..... | 3 |
| PHED 4950 Advanced Topics in Sports Nutrition .....    | 3 |

## Minor in Human Nutrition

In partnership with the College of Sciences' Biology and Environmental Science Department, the Kinesiology Department supports a minor in Human Nutrition. This minor provides the student with a strong foundation in nutrition principles and assessment in the context of human health and disease.

### Students must complete fifteen hours in the following courses:

|                                                        |   |
|--------------------------------------------------------|---|
| BIOL 2000 Nutrition .....                              | 3 |
| PHED 4210 Nutrition Assessments.....                   | 3 |
| PHED 4220 Lifecycle and Community Nutrition .....      | 3 |
| PHED 4240 Metabolism and Function of Nutrients I.....  | 3 |
| PHED 4280 Metabolism and Function of Nutrients II..... | 3 |



# College of Liberal Arts and Social Sciences

Dr. Andrew McMichael, Dean

## Faculty:

### Communication and Theatre

Professors M. Winkelman and V. Winkelman  
Associate Professors Killmeier (Head) and Seibel  
Assistant Professors Gamble and Kim  
Senior Lecturer Wallace  
Lecturer Tate

### Criminal Justice

Professor Ioimo (Head)  
Associate Professors Chon, Kaur, Pelfrey, and Younker  
Assistant Professors Napper and Stives

### Economics:

Professors Clark, Ligeon (Head), and Moore  
Associate Professors Lan and Runco  
Assistant Professor Francisco  
Visiting Assistant Professor Roy Choudhury  
Senior Lecturer Bates

### English and Philosophy

Professors Evans, Gerard, Gribben, Harris-Fain, Sterling, and Willis  
Associate Professors Aaij, Cobb, Havard (Chair), Howard, Kelley, Klevay, and Reno  
Assistant Professors Mina, Toland-Dix, and Witcher  
Lecturers A. Fowler, H. Fowler, Gray, Harrison, Kent, Leifer, Locklear, Shifferd, Sims, and Smith

### Fine Arts

Associate Professors Baine, Benson, Fenn (Chair), Hairstans, Jensen, and Whatley  
Assistant Professors Ghodke and Slipp

### History and World Languages and Cultures

Professors Burger, Farrow, Gish, Henderson, Krawczynski, Severance (Chair), Long, Simmons, Wells, and Zhai  
Professor Bulman  
Lecturers Barragan and Fox

### Political Science and Public Administration

Professors Cortell (Head) and Kalu  
Assistant Professors Brooks, Howard, Hughes, and Knigge

### Sociology, Anthropology and Social Work

Professors Brackett (Associate Dean) and Tang  
Associate Professors Feltmate, Pyszka (Chair), and Winemiller  
Assistant Professors Harmon and Lehman

**Programs:****Communication**

- Communication
- Theatre

**Economics**

- International Economics and Commerce
- Political Economics
- Traditional Economics

**English****Bachelor of Arts - Fine Arts**

- Art History
- Visual Art

**Bachelor of Fine Arts**

- Ceramics
- Drawing and Painting
- Graphic Design
- Photography
- Sculpture

**History****Bachelor of Interdisciplinary Studies**

- Religious Studies

**Criminal Justice**

- Legal Studies

**Political Science****ROTC Army/Military Science & Leadership Curriculum****Sociology**

- Anthropology
- General Sociology
- Marriage and Family
- Pre-Social Work

**World Languages and Cultures**

- Chinese and East Asian Studies
- Francophone Studies
- German Studies
- Hispanic Studies
- International Trade

**American Society and Culture Certificate****Museum Studies Certificate****Substance Abuse Prevention Certificate****Pre-Law**

Students who plan to attend law school must first obtain a bachelor's degree, which can be in any one of the majors in this catalog. The American Bar Association does not recommend a particular undergraduate major or a particular group of courses to students wishing to pursue law school.

Most law schools do not prescribe any particular curriculum of pre-law study. Students should pursue an undergraduate degree in a major in which they are interested or can do well. Students should take challenging, demanding courses. Courses which develop research and writing skills would be helpful.



## College of Liberal Arts and Social Sciences

The College of Liberal Arts and Social Sciences offers students a traditional liberal education informed by the needs of the 21st century. The College develops students' ability to reason; to compute; to write and speak; to exercise a conscious aesthetic sensibility; and to do these things with clarity and precision. These capacities are a means to understanding the wider world and to attain the self-understanding that makes one free. The College is also rooted in Auburn Montgomery's land grant tradition of cultivating the larger society and so embraces a mission to bring these ideals to the community beyond its walls.

### General Considerations

A student who is undecided about his or her major will be classified as undeclared and will be advised by the Office of Advising and Academic Enhancement. Undeclared majors must choose a major by the completion of 41 semester hours of credit.

Several majors include well-developed courses of study, termed "options," "concentrations," or "emphases." Students should consult the list above, at the start of the College of Liberal Arts and Social Sciences entry in this Catalog.

In all curricula within the College of Liberal Arts and Social Sciences, the major consists of a minimum of 36 hours (see departmental requirements), a minor of at least 12 hours (where required by the major) and sufficient electives to ensure the completion of a minimum of 120 semester hours of course work.

### Special Requirements for Majors

The university requires students to complete all courses identified in the major field of study with a cumulative GPA of at least 2.0 (C) and a grade of C or higher in each of the required university English composition courses. Since each department in the College of Liberal Arts and Social Sciences has specific requirements for its majors and since these requirements will vary significantly from one department to another, it is imperative that students consult their advisors. This advisor is responsible for working with the student to ensure his or her program meets departmental requirements. It is, however, the responsibility of all students to meet with their advisors on a regular basis and to fulfill all requirements for the degree.

### Communication and Theatre

The Department of Communication and Theatre includes two disciplines: communication (journalism or public relations), and theatre, each of which is an option in the communication degree. The areas provide a valuable body of knowledge dealing with the art and science of human communication. Each student majoring in one of the communication disciplines must complete at least 12 hours or more of the courses required within that discipline while in residence at AUM. Grades below C in the student's major are not acceptable for graduation.

A student electing to major in the department must satisfy the following requirements:

| I. AUM Core Curriculum Requirements                              | Semester Hours |
|------------------------------------------------------------------|----------------|
| Area I. Written Communication                                    |                |
| English Composition (ENGL 1010 and ENGL 1020) <sup>1</sup> ..... | 6              |
| Area II. Humanities and Fine Arts                                |                |
| Literature <sup>2</sup> .....                                    | 6              |
| Fine Arts <sup>3</sup> .....                                     | 6              |
| Area III. Natural Sciences and Mathematics                       |                |
| Physical Science and Biological Science <sup>4</sup> .....       | 8              |
| Mathematics <sup>5</sup> .....                                   | 3              |

## Area IV. History, Social Sciences and Behavioral Sciences

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| HIST 1010 and HIST 1020 or HIST 1060 and HIST 1070 or HIST 2010 and HIST 2020 ..... | 6         |
| Social Sciences <sup>6</sup> .....                                                  | 6         |
| University Success (UNIV) <sup>7</sup> .....                                        | 3         |
| <b>Total Hours</b> .....                                                            | <b>44</b> |

<sup>1</sup>See section on Testing for English Placement Testing.

<sup>2</sup>The courses that will meet this requirement are ENGL 2530 and ENGL 2540, or ENGL 2570 and ENGL 2580, or ENGL 2600 and ENGL 2610.

<sup>3</sup>The course must be selected from the following: VISU 1000, VISU 2030, VISU 2040, VISU 2060, MUSI 2110, THEA 2040.

<sup>4</sup>Both courses must include laboratory experiences. One must be in the physical sciences and one in the biological sciences.

<sup>5</sup>Students may need to complete placement testing before registering for mathematics courses if there are no ACT or SAT scores.

<sup>6</sup>Students must select two courses from the following: ANTH 2110, GEOG 2050, GEOG 2150, ECON 2010, ECON 2020, POLS 2020, PSYC 2110, SOCI 2000, or SOCI 2010.

<sup>7</sup>The following students are exempt from UNIV: transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified, or graduate students.

**II. Departmental Requirements****Semester Hours**

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Communication (COMM 1010 or COMM 2212) <sup>1</sup> ..... | 3            |
| Foreign Language (8 hours in one foreign).....            | 8            |
| Social Science .....                                      | 3            |
| <b>Total Hours</b> .....                                  | <b>11-14</b> |

<sup>1</sup>COMM 2212 required for Communication option.

**III. Minor Requirements .....Semester Hours**

|                                  |           |
|----------------------------------|-----------|
| <b>Total Minimum Hours</b> ..... | <b>12</b> |
|----------------------------------|-----------|

**IV. Electives.....9****V. Major Requirements****Option 1: B.A. in Communication Emphasis in Communication**

This program provides an option within the Department of Communication and Theatre for students interested in the theories and skills involved in professional communication (journalism, media production, and public relations). Students must elect the journalism track, public relations track, or communication studies track.

**A. Required of All Students .....Semester Hours**

|                                       |   |
|---------------------------------------|---|
| COMM 2100 Media and Culture .....     | 3 |
| COMM 2703 Media Writing I .....       | 3 |
| COMM 4820 Media Law and Ethics .....  | 3 |
| COMM 4130 Media Research Methods..... | 4 |

**B. Journalism track required courses:**

|                                            |    |
|--------------------------------------------|----|
| COMM 2743 Media Writing II .....           | 3  |
| COMM 2783 Digital Video Journalism .....   | 3  |
| COMM 3743 Advanced Media Writing II .....  | 3  |
| COMM 3760 Digital Video Production I ..... | 3  |
| Communication Electives .....              | 22 |

**C. Public Relations track required courses:**

|                                             |    |
|---------------------------------------------|----|
| COMM 2743 Media Writing II .....            | 3  |
| COMM 3800 Public Relations I.....           | 3  |
| COMM 3843 Writing for Public Relations..... | 3  |
| COMM 4800 Public Relations II.....          | 3  |
| Communication Electives .....               | 22 |

|                          |           |
|--------------------------|-----------|
| <b>Total Hours</b> ..... | <b>47</b> |
|--------------------------|-----------|



**D. Communication Studies track required courses:**

|                                                                                                                                                                         |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| COMM 1010 Intro to Human Communication .....                                                                                                                            | 3   |
| Three COMM Writing courses from the following:                                                                                                                          |     |
| COMM 2743, 2914, 3300 (with approval), 3743, 3843, 4010, 3703, THEA 4013,<br>or any COMM WI course not applied elsewhere .....                                          | 9   |
| Three COMM Theory/Criticism courses from the following:                                                                                                                 |     |
| COMM 2120, 3120, 3130, 3210, 3300 (with approval), 3710, 3830, 3900, 4720, 4800, or THEA 4320 .....                                                                     | 9   |
| Three COMM Practices courses from the following:                                                                                                                        |     |
| COMM 2763, 2783, 3003, 3300 (with approval), 3760, 3763, 3914, 4733, THEA 2113, THEA 3413,<br>THEA 3433, THEA 3453, THEA 3463, THEA 3973, VISU 2712, or VISU 2812 ..... | 9   |
| Communication Electives .....                                                                                                                                           | 3-6 |

**Option 2: B.A. in Communication Emphasis in Theatre**

| A. Requirements                                                                  | Semester Hours |
|----------------------------------------------------------------------------------|----------------|
| THEA 2040 Theatre Appreciation .....                                             | 3              |
| THEA 2103, THEA 2113 and/or THEA 2123<br>Introduction to Technical Theatre ..... | 6              |
| THEA 3413 Acting .....                                                           | 3              |
| THEA 3613 Scene Design. ....                                                     | 3              |
| THEA 4310 and THEA 4320 Theatre History .....                                    | 8              |
| Theatre Electives .....                                                          | 12             |
| THEA 2914 Theatre Practicum .....                                                | 1-4            |
| ENGL 3050 Advanced Expository Writing .....                                      | 3              |
| ENGL 4080 Literary Criticism .....                                               | 3              |
| ENGL Drama Course .....                                                          | 3              |
| Total Hours .....                                                                | 48             |
| <br>B. Minor Requirements                                                        |                |
| Total Hours .....                                                                | 12             |
| <br>C. Electives .....                                                           | 9              |
| Total Minimum Requirements .....                                                 | 120-124        |

**Minor in Communication**

A broad minor focusing on various aspects of communication.

Students must complete twelve hours of courses from the following:

|                                             |   |
|---------------------------------------------|---|
| COMM 2100 Media and Culture .....           | 3 |
| COMM 2120 Film Appreciation .....           | 3 |
| COMM 2130 Small Group Communication .....   | 3 |
| COMM 2250 Political Communication .....     | 3 |
| COMM 2703 Media Writing I .....             | 3 |
| COMM 2743 Media Writing II .....            | 3 |
| COMM 2763 Digital Audio Production I .....  | 3 |
| COMM 2783 Digital Video Journalism .....    | 3 |
| COMM 3000 Intercultural Communication ..... | 3 |
| COMM 3003 Oral Communication .....          | 3 |
| COMM 3020 Visual Communication .....        | 3 |
| COMM 3120 Interpersonal Communication ..... | 3 |
| COMM 3130 Sports Communication .....        | 3 |
| COMM 3210 Horror Film .....                 | 3 |
| COMM 3300 Special Topics .....              | 3 |

|                                              |   |
|----------------------------------------------|---|
| COMM 3310 Speech Writing .....               | 3 |
| COMM 3350 Communication and Gender.....      | 3 |
| COMM 3703 Broadcast Copywriting.....         | 3 |
| COMM 3710 Media History.....                 | 3 |
| COMM 3733 News Writing .....                 | 3 |
| COMM 3743 Advanced Media Writing .....       | 3 |
| COMM 3760 Digital Video Production I.....    | 3 |
| COMM 3763 Digital Video Production II.....   | 3 |
| COMM 3800 Public Relations I .....           | 3 |
| COMM 3843 Writing for Public Relations ..... | 3 |
| COMM 3900 Documentary Film.....              | 3 |
| COMM 4010 Public Argumentation.....          | 3 |
| COMM 4130 Media Research Methods .....       | 3 |
| COMM 4800 Public Relations II .....          | 3 |
| COMM 4820 Media Law and Ethics.....          | 3 |

Some courses may be taught as WI Writing Intensive courses and may be worth four credit hours. Other COMM courses may be substituted with Department Head approval.

### Minor in Theatre

A broad minor focusing on theatre production, performance, and history. Courses used for the minor must be in addition to all other curriculum requirements.

Students must complete twelve hours of courses from the following:

|                                                                                               |   |
|-----------------------------------------------------------------------------------------------|---|
| THEA 2040 Theatre Appreciation (if not used to fulfill a core requirement).....               | 3 |
| THEA 2103 Stagecraft .....                                                                    | 3 |
| THEA 2113 Stage Lighting.....                                                                 | 3 |
| THEA 2123 Costume Construction.....                                                           | 3 |
| THEA 3413 Fundamentals of Acting .....                                                        | 3 |
| THEA 3423 Intermediate Acting .....                                                           | 3 |
| THEA 3433 Voice for the Actor .....                                                           | 3 |
| THEA 3443 Stage Movement.....                                                                 | 3 |
| THEA 3453 Directing .....                                                                     | 3 |
| THEA 3463 Stage Management .....                                                              | 3 |
| THEA 3593 Makeup Design .....                                                                 | 3 |
| THEA 3603 Scene Painting .....                                                                | 3 |
| THEA 3613 Scene Design .....                                                                  | 3 |
| THEA 3623 Rendering.....                                                                      | 3 |
| THEA 3633 Costume Design.....                                                                 | 3 |
| THEA 3713 Theatre Administration .....                                                        | 3 |
| THEA 4013 Playwriting.....                                                                    | 3 |
| THEA 4310 Dramatic Literature and Theatre History I (WI) .....                                | 4 |
| THEA 4320 Dramatic Literature and Theatre History II (WI) .....                               | 4 |
| THEA 4413 Dialects and Phonetics .....                                                        | 3 |
| Special topics theatre, studies in drama, and independent studies in theatre as offered ..... | 3 |

(WI) denotes a writing-intensive course



## Criminal Justice Major

The undergraduate program in criminal justice offers the Bachelor of Science degree to the student seeking comprehensive education for a professional career in the criminal justice field. This major provides broad academic preparation in both general education and advanced course work of a specialized nature in either the criminal justice track or the legal studies track.

The student may not transfer more than the equivalent of half the required hours of criminal justice course work into his or her major area. The degree requires 120 semester hours of course work, which include the university general education requirements, the major required and elective courses described below and general electives. Students must choose COMM 1010 or 2212, as one of the two required core courses within the humanities and fine arts area. In addition to AUM core requirements, students must take the courses required in the College of Liberal Arts and Social Sciences core. They are ECON 2000 or ECON 2010; POLS 2020 or POLS 2200; and GEOG 2050 or SOCI 2000. Some of these courses may be used to satisfy university core requirements.

## Criminal Justice Track

The criminal justice track provides preparation for careers in corrections, juvenile justice, law enforcement and security administration. Students complete 12 required courses, take at least three courses in one of the four specialization options and at least one course in each of the specialization options.

### Required Courses (40 hours)<sup>1</sup>

### Semester Hours

|                                                                                  |    |
|----------------------------------------------------------------------------------|----|
| ECST 2760 Statistics for Social Sciences or JUST 4000 Quantitative Methods ..... | 3  |
| JUST 1150 Introduction to the American Criminal Justice System .....             | 3  |
| JUST 3040 Organization and Administration .....                                  | 3  |
| JUST 3120 Investigative Methods .....                                            | 3  |
| JUST 3620 Criminal Law.....                                                      | 3  |
| JUST 3630 Evidence/Criminalistics .....                                          | 3  |
| JUST 4390 JPS Information Systems .....                                          | 3  |
| JUST 4510 JPS Planning & Budgeting .....                                         | 3  |
| JUST 4640 Criminal Procedure .....                                               | 3  |
| JUST 4700 Research Methods.....                                                  | 3  |
| JUST 4710 Alternative Dispute Resolution.....                                    | 3  |
| JUST 4750 Survey of Crime Theories.....                                          | 3  |
| Total Required Hours .....                                                       | 35 |

<sup>1</sup>Students must earn a grade of "C" or better in each of the require JPS courses.

Specialization Options (18 hours) (one course in each category, plus at least one category with three courses). Special Topics courses (JUST 4970) may substitute for Specialization Courses.

### Law Enforcement

- JUST 1250 Law Enforcement Theory and Practice
- JUST 3130 Supervision and Management
- JUST 4410 Law Enforcement Administration

### Corrections

- JUST 3510 Corrections Theory and Practice
- JUST 4420 Correctional Administration
- JUST 4530 Community Corrections

### Juvenile Justice

- JUST 4540 Juvenile Justice Law
- JUST 4610 Juvenile Justice Administration
- JUST 4670 Family Law

**Security Administration**

JUST 1160 Introduction to Security  
 JUST 4370 Security Administration  
 JUST 4580 Loss Prevention

Internship or Special Topics course

**Minor in Criminal Justice (15 hours)****Required Course**

JUST 1150 Introduction to the American Criminal Justice System is a prerequisite for the law enforcement option but is not counted toward the minor.

JUST 1160 Introduction to Security is a prerequisite for the security option but is not counted toward the minor.

**Concentration Options****Law Enforcement Option**

JUST 3120 Investigative Methods  
 JUST 3130 Supervision and Management  
 JUST 3620 Criminal Law  
 JUST 4403 JPS Information Systems  
 JUST 4410 Law Enforcement Administration

**Corrections Option**

JUST 3040 Organization and Administration  
 JUST 3510 Corrections Theory and Practice  
 JUST 4420 Correctional Administration  
 JUST 4530 Community Corrections  
 JUST 4710 Alternative Dispute Resolution

**Juvenile Justice**

JUST 4530 Community Corrections  
 JUST 4540 Juvenile Justice Law  
 JUST 4610 Juvenile Justice Administration  
 JUST 4630 Victimology  
 JUST 4670 Family Law

**Security Administration**

JUST 3120 Investigative Methods  
 JUST 3130 Supervision and Management  
 HSEM 2200 Introduction to Homeland Security  
 JUST 4370 Security Administration  
 JUST 4580 Loss Prevention

**Legal Studies Track**

The legal studies track provides preparation for careers in the fields of paralegal/legal assistant and judicial administration. Students interested in pursuing law school may wish to consider the legal studies track, although no specific major is required by most law schools.

The paralegal education program is approved by the American Bar Association. Students completing the legal studies track will receive the paralegal certificate. Additionally, under either the minor in Legal Studies or the Legal Studies or Certificate-Only Program, any degree seeking student of any major at AUM who completes the Alabama core courses (41 hours) and the six designated Legal Studies courses (designated by \* below) will receive the certificate.

Please note: The Outreach Program paralegal certificate courses offered at Auburn University, Auburn,



Alabama, are not ABA-approved.

Paralegals/legal assistants are not lawyers, but rather assist lawyers. Please note that Alabama law prohibits the practice of law by non-lawyers, including paralegals/legal assistants. Paralegals may not provide legal services directly to the public, except as permitted by law.

The objective of the paralegal education program is to produce an extremely competent and well-rounded individual who will be able to assist an attorney in various areas of the law. AUM is an institutional member of the American Association for Paralegal Education.

No student earning a grade of F in a required legal studies course at AUM will be permitted to transfer credit from another school to offset that lower grade; the course must be repeated in residence at AUM. All transfer credits must be approved by the paralegal education program director.

| <b>Required Legal Studies Courses<sup>1</sup></b>                    | <b>Semester Hours</b> |
|----------------------------------------------------------------------|-----------------------|
| JUST 1150 Introduction to the American Criminal Justice System ..... | 3                     |
| JUST 1270 Introduction to the American Legal System .....            | 3                     |
| JUST 3740 Law Office Management.....                                 | 3                     |
| JUST 4602 Legal Research* .....                                      | 3                     |
| JUST 4622 Legal Writing* .....                                       | 3                     |
| JUST 4650 Civil Litigation* .....                                    | 3                     |
| JUST 4660 Court and Judicial Administration .....                    | 3                     |
| JUST 4710 Alternative Dispute Resolution.....                        | 4                     |
| JUST 4800 Paralegal Studies/Legal Ethics* .....                      | 3                     |
| JUST 4813 Computer Application Law* .....                            | 3                     |
| ECST 2760 Statistics for Social Science.....                         | 3                     |
| ENGL 3060 Business and Professional Writing.....                     | 3                     |
| ORGL 4220 Values and Ethics.....                                     | 4                     |
| <b>Total Hours.....</b>                                              | <b>38</b>             |

<sup>1</sup> Students must earn a grade of "C" or better in each of the require Legal Studies courses.

#### **Legal Track Electives (18 hours)**

Select 6 courses from Tiers I and II; at least 4 courses must be from Tier I.

##### **Tier I.**

|                                             |   |
|---------------------------------------------|---|
| JUST 3620 Criminal Law.....                 | 3 |
| JUST 3720 Wills/Trusts/Estate Planning..... | 3 |
| JUST 3730 Real Estate Law .....             | 3 |
| JUST 4640 Criminal Procedure.....           | 3 |
| JUST 4670 Family Law .....                  | 3 |
| JUST 4680 Torts/Civil Actions .....         | 3 |

##### **Tier II.**

|                                             |           |
|---------------------------------------------|-----------|
| JUST 3540 Juvenile Justice Law.....         | 3         |
| JUST 4590 Bankruptcy Law.....               | 3         |
| JUST 4600 Business Orgs for Paralegals..... | 3         |
| JUST 4720 Govt. Power and Civil Rights..... | 3         |
| JUST 4780 Administrative Law .....          | 3         |
| JUST 4924 Internship.....                   | 3         |
| JUST 4930 Directed Research .....           | 3         |
| ENGL 3050 Advanced Expository Writing ..... | 3         |
| <b>Total Hours .....</b>                    | <b>59</b> |

## Minor in Legal Studies

The Legal Studies minor is designed for students who seek to develop legal and paralegal skills, while at the same time earning an ABA-approved paralegal certificate through the methodology of study, practice, and application.

Required Legal Studies courses for the Minor in Legal Studies: Completion of Alabama core courses (41 hours) and the following Legal Studies courses (18 hours plus one additional elective hour):

|                                          |                |
|------------------------------------------|----------------|
| JUST 3740 Law Office Management          | 3 credit hours |
| JUST 4602 Legal Research                 | 3 credit hours |
| JUST 46202 Legal Writing                 | 3 credit hours |
| JUST 4650 Civil Litigation               | 3 credit hours |
| JUST 4800 Paralegal Studies/Legal Ethics | 3 credit hours |
| JUST 4813 Computer Applications in Law   | 3 credit hours |

## Economics Major

The Department of Economics offers a Bachelor of Science degree in Economics through the College of Liberal Arts and Social Sciences (CLASS). The Bachelor of Science in Economics provides students with a solid foundation in economic analysis and prepares students for careers in business, financial institutions and the public sector. In addition, the curriculum prepares students for graduate or professional schools in business, law, economics, international studies and other related fields of study.

Students who pursue the Bachelor of Science in Economics can focus on one of three options:

1. Traditional Economics – this option prepares students to work in various areas of economics including financial and investment firms, large corporations, trade associations, and federal, state, and local government agencies.
2. International Economics and Commerce – students will be trained to work in multinational corporations and concentrate on forecasting sales, understanding the importance of exchange rates, arbitrage and speculation, and trade policies. This option could include the Study Abroad Program that concentrates on studying the European Union economy in London, Paris, and Frankfurt.
3. Political Economy – students choosing this option will be prepared to work in government or public economics including health, education and welfare. It is also a great preparatory field for law school candidates.

The requirements for a degree in Economics are as follows:

| I. AUM Core Curriculum Requirements                                                                       | Semester Hours |
|-----------------------------------------------------------------------------------------------------------|----------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                                               | 6              |
| Area II. Humanities and Fine Arts .....                                                                   | 12             |
| Literature <sup>1</sup> .....                                                                             | 3              |
| Fine Arts .....                                                                                           | 3              |
| Humanities .....                                                                                          | 3              |
| Fine Arts Elective .....                                                                                  | 3              |
| Area III. Natural Sciences and Mathematics .....                                                          | 11             |
| Area III Science with Laboratory .....                                                                    | 8              |
| Area III Mathematics .....                                                                                | 3              |
| Area IV. History, Social Sciences and Behavioral Sciences .....                                           | 12             |
| ECON 2010 .....                                                                                           | 3              |
| ECON 2020 .....                                                                                           | 3              |
| HIST1 .....                                                                                               | 6              |
| History, Social Science or Behavioral Core (POLS 2020 is required for the Political Economy option) ..... | 3              |



|                                              |    |
|----------------------------------------------|----|
| University Success (UNIV <sup>2</sup> )..... | 3  |
| Total Hours.....                             | 44 |

<sup>1</sup> Must complete a sequence in either Literature or History

<sup>2</sup> The following students are exempt from UNIV: "Bridge" students, transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

|                                                                       |                       |
|-----------------------------------------------------------------------|-----------------------|
| <b>II. Additional Requirements</b>                                    | <b>Semester Hours</b> |
| Sociology (SOCI 2000 or GEOG 2050) <sup>3</sup> .....                 | 3                     |
| Political Science (POLS 2200 or POLS 2020) <sup>3</sup> .....         | 3                     |
| Justice and Public Safety (JUST 1150 or JUST 1270) <sup>3</sup> ..... | 3                     |
| Philosophy.....                                                       | 3                     |
| Additional 3 hours from any of the above.....                         | 3                     |
| ENGL 3050 or ENGL 3060 or COMM 3800.....                              | 3                     |
| CSCI 1000 or INFO 2050.....                                           | 3                     |
| ECST 2760 or equivalent.....                                          | 3                     |
| Total Hours.....                                                      | 24                    |

<sup>3</sup> These courses are required and can be taken as part of the AUM core curriculum requirement.

|                                                      |                       |
|------------------------------------------------------|-----------------------|
| <b>III. Economics Major Requirements<sup>4</sup></b> | <b>Semester Hours</b> |
| ECON 3700: Economic Analysis and Methods.....        | 3                     |
| ECON 4100: Intermediate Macroeconomics.....          | 4                     |
| ECON 4110: Intermediate Microeconomics.....          | 3                     |
| ECON 4800: Senior Seminar in Economics.....          | 4                     |
| Total Hours.....                                     | 14                    |

<sup>4</sup> Students must earn a grade of "C" or better in each of these four required courses.

|                                                                                         |                       |
|-----------------------------------------------------------------------------------------|-----------------------|
| <b>IV. Option Requirements</b>                                                          | <b>Semester Hours</b> |
| <b>Traditional Economics option:</b>                                                    |                       |
| 3000/4000 Economics Electives.....                                                      | 9                     |
| Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)..... | 30                    |
| Total Hours.....                                                                        | 39                    |
| <b>International Economics and Commerce option:</b>                                     |                       |
| ECON 4050: International Institutions and Contemporary Trade Policy.....                | 3                     |
| ECON 4700: International Economics.....                                                 | 3                     |
| Economics Electives (ECON 3050, ECON 3520, ECON 4200).....                              | 3                     |
| Foreign Language.....                                                                   | 8                     |
| Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)..... | 21                    |
| Total Hours.....                                                                        | 38                    |
| <b>Political Economy option:</b>                                                        |                       |
| ECON 3500: Labor Economics.....                                                         | 3                     |
| ECON 4650: Public Finance.....                                                          | 3                     |
| POLS 4280: International Political Economy.....                                         | 3                     |
| POLS Electives (3000/4000 level).....                                                   | 6                     |
| Electives (3000/4000 level electives from COB, CLASS, COS or MATH 1610 and higher)..... | 24                    |
| Total Hours.....                                                                        | 39                    |
| Total Hours Required.....                                                               | 120-121               |

## Minor in Economics

The Department of Economics also offers a minor in Economics. The purpose of the Economic minor is to teach students the fundamentals of Economics. Students can get a minor in Economics by taking 4 economics courses (12-13 credit hours).

Students who are interested in a minor in economics need to choose at least one course from the two listed courses below:

ECON 4100 Intermediate Macro-Economics (3)

ECON 4110 Intermediate Micro-Economics (3)

The remainder of the courses will be electives and can be chosen from the list below:

ECON 3050, ECON 3500, ECON 3520, ECON 3540, ECON 3600, ECON 3700,

ECON 3800, ECON 3850, ECON 4050, ECON 4200, ECON 4270, ECON 4300,

ECON 4310, ECON 4600, ECON 4650, ECON 4700, ECON 4800, ECON 4970<sup>5</sup>

or other 3000/4000 economics electives

<sup>5</sup> Students who count ECON 4970 Special Problem: Chinese Economy towards the minor, cannot count ECON 4200: Chinese Economy towards the minor.

<sup>5</sup> Students who count ECON 4970 Special Problem: Industrial Organization towards the minor, cannot count ECON 4300: Industrial Organization towards the minor.

<sup>5</sup> Students who count ECON 4970 Special Problem: Games and Strategy towards the minor, cannot count ECON 4310: Games and Strategy towards the minor.

## English and Philosophy

The Department of English and Philosophy offers courses in the separate disciplines of English and philosophy.

The English program, leading to a Bachelor of Arts degree in English, is designed to meet the needs of those who want to develop critical skills in reading, writing and thinking as well as a knowledge of the history of ideas through literature; those desiring a firm undergraduate foundation preparatory to graduate studies in English and related fields; those wishing to prepare for careers that require verbal and analytical skills, such as law; and those who value education as intellectual and aesthetic enrichment.

Although the department does not offer a degree program in philosophy, students may fulfill their minor requirement in this area.

The requirements for a degree in English are as follows:

| I. AUM Core Curriculum Requirements                                              | Semester Hours |
|----------------------------------------------------------------------------------|----------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                      | 6              |
| Area II. Humanities and Fine Arts .....                                          | 12             |
| Literature Survey Sequence .....                                                 | 6              |
| Area II Fine Arts .....                                                          | 3              |
| Area II Elective .....                                                           | 3              |
| Area III. Natural Sciences and Mathematics .....                                 | 11             |
| Area III Science with Laboratory .....                                           | 8              |
| Area III Mathematics .....                                                       | 3              |
| Area IV. History, Social Sciences and Behavioral Sciences .....                  | 12             |
| HIST 1010 & HIST 1020, or HIST 1060 & HIST 1070 , or HIST 2010 & HIST 2020 ..... | 6              |
| Area IV Electives .....                                                          | 6              |
| University Success (UNIV 1000) <sup>1</sup> .....                                | 3              |
| Total Hours .....                                                                | 44             |

<sup>1</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified, or graduate students



**II. Additional Requirements**

|                                                           |    |
|-----------------------------------------------------------|----|
| English as a Field of Study .....                         | 3  |
| One year of a foreign language <sup>1</sup> .....         | 8  |
| History .....                                             | 3  |
| Philosophy or Fine Arts (appreciation or history) .....   | 3  |
| Philosophy <sup>1</sup> .....                             | 3  |
| Communication (COMM 1010 or COMM 2212) <sup>1</sup> ..... | 3  |
| Total Hours.....                                          | 23 |

**III. English Major Requirements**

|                                                             |    |
|-------------------------------------------------------------|----|
| Literature Survey or 3000/4000-level English Electives..... | 9  |
| 3000/4000 level English Electives.....                      | 18 |
| ENGL 3070, ENGL 4050, or ENGL 4070.....                     | 3  |
| ENGL 4080 .....                                             | 3  |
| ENGL 4270 .....                                             | 3  |
| Total Hours.....                                            | 36 |

<sup>1</sup> These requirements must be met either in the core or in addition to those courses. Substitute courses must be in English or philosophy or approved by an academic advisor.

<sup>2</sup> Students must complete at least four 3000/4000-level courses in historical periods prior to the 20th century.

<sup>3</sup> Students may take COMM 3733 New Writing as one of their English electives.

**IV. Minor Requirements**..... 12

(Note: English majors wishing to minor in a foreign language may fulfill their minor requirement with two four-hour courses at the second year level of foreign language study and an appropriate literature-in-translation course.)

**V. Electives**.....5

Total Required Hours ..... 120

**Minor in English Language and Literature**

The minor in English Language and Literature consists of 12 credit hours in English courses at the 3000 and 4000 level, with the following exceptions:

ENGL 3012, 3030, 3050, 3060, 4060, 4090, 4924, 4962, 4972, and 4973.

**Minor in Creative Writing**

The minor in Creative Writing consists of 12 credit hours: ENGL 3010 Four Genres: An Introduction to Creative Writing plus three creative writing classes from the following menu:

|                                                    |   |
|----------------------------------------------------|---|
| ENGL 4010 Poetry Writing Workshop.....             | 3 |
| ENGL 4012 Special Topics in Creative Writing ..... | 3 |
| ENGL 4020 Fiction Writing Workshop .....           | 3 |
| ENGL 4040 Creative Nonfiction.....                 | 3 |
| ENGL 4935 Directed Creative Writing .....          | 3 |
| THEA 4013 Playwriting.....                         | 3 |

**Minor in Writing and Editing**

The minor in Writing and Editing consists of 12 credit hours in four English writing and editing classes, to be chosen from the following menu:

|                                                   |     |
|---------------------------------------------------|-----|
| ENGL 3030 Technical Writing.....                  | 3   |
| ENGL 3050 Successful Writing.....                 | 3   |
| ENGL 3060 Business and Professional Writing.....  | 3   |
| ENGL 4090 Writing across the Curriculum.....      | 3   |
| ENGL 4924 Internship in Writing and Editing ..... | 3-6 |
| ENGL 4973 Editing and Editors .....               | 3   |

## Minor in Philosophy

The minor in Philosophy consists of 12 credit hours in philosophy, to be chosen from the following menu:

|                                                 |   |
|-------------------------------------------------|---|
| PHIL 2000 Reasoning and Critical Thinking ..... | 3 |
| PHIL 2010 Introduction to Philosophy .....      | 3 |
| PHIL 2030 Logic.....                            | 3 |
| PHIL 2100 Applied Ethics.....                   | 3 |
| PHIL 3002 Studies in Philosophy .....           | 3 |
| PHIL 3310 Ancient Philosophy .....              | 3 |
| PHIL 3320 Medieval Philosophy .....             | 3 |
| PHIL 3330 Modern Philosophy .....               | 3 |
| PHIL 3340 Twentieth-Century Philosophy .....    | 3 |
| PHIL 3700 Symbolic Logic .....                  | 3 |
| PHIL 4110 God and Morality .....                | 3 |
| PHIL 4150 Issues in Bioethics .....             | 3 |
| PHIL 4200 Philosophy of Religion .....          | 3 |
| PHIL 4210 Philosophical Theology .....          | 3 |
| PHIL 4220 C. S. Lewis and Philosophy .....      | 3 |
| PHIL 4330 History of Modern Philosophy .....    | 3 |
| PHIL 4899 Philosophy Elective.....              | 3 |
| PHIL 4912 Special Topics .....                  | 3 |

## Fine Arts

The Department of Fine Arts includes the disciplines of art and music, offering programs of study in visual art, art history, sculpture, ceramics, painting and drawing, photography, and graphic design. The department also offers six minors in art, and one in music. The Fine Arts Department participates in the university's "Writing Across the Curriculum" program, which helps students develop expertise in writing within their discipline.

## Bachelor of Arts in Fine Arts and Bachelor of Fine Arts (B.F.A.) in Art

There are two programs of study leading to the B.A. in Fine Arts. The first is visual art, a broad program of study in the tradition of the Liberal Arts. The second program is the concentration in art history. Coursework in these areas provide students with knowledge of art and art history, as well as critical thinking and research skills. Students in these programs have opportunities for internships with area museums, and for study abroad.

The Department of Fine Arts also offers five programs of study leading to the B.F.A. in Art: sculpture, ceramics, painting and drawing, photography, and graphic design. Specialized coursework in these areas prepares students to become practicing artists and professional designers. Students in these areas also have opportunities for exhibiting their work, and for securing internships with area businesses and art institutions.

### B.A. in Fine Arts

#### Visual Art Concentration

#### Semester Hours

#### I. AUM Core Curriculum and UNIV Requirements

|                                                             |    |
|-------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6  |
| Area II. Humanities and Fine Arts .....                     | 12 |
| Literature (3 semester hours, minimum) <sup>1</sup>         |    |
| Fine Arts (3 semester hours, minimum)                       |    |
| Humanities and Fine Arts Elective <sup>2</sup>              |    |
| Area III. Natural Sciences and Mathematics .....            | 11 |
| Natural Sciences (8 semester hours, minimum)                |    |
| Mathematics (3 semester hours)                              |    |



|                                                                                                                                                                                                                                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Area IV. History, Social and Behavioral Sciences .....                                                                                                                                                                                  | 12  |
| History (3 semester hours, minimum) <sup>2</sup>                                                                                                                                                                                        |     |
| History, Social Science and Behavioral Science Electives                                                                                                                                                                                |     |
| UNIV <sup>3</sup> .....                                                                                                                                                                                                                 | 3   |
| Total Hours.....                                                                                                                                                                                                                        | 44  |
| <sup>1</sup> A sequence of literature or history is required.                                                                                                                                                                           |     |
| <sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.                                                                               |     |
| <sup>3</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students. |     |
| <b>II. Foundation</b>                                                                                                                                                                                                                   |     |
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                                                                                                                                                                                     | 6   |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing .....                                                                                                                                                                    | 6   |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....                                                                                                                                                                               | 6   |
| Total Hours.....                                                                                                                                                                                                                        | 18  |
| <b>III. Upper Level Art History</b>                                                                                                                                                                                                     |     |
| VISU 3000-4000 Level Art History electives .....                                                                                                                                                                                        | 6   |
| <b>IV. Concentration</b>                                                                                                                                                                                                                |     |
| VISU Electives.....                                                                                                                                                                                                                     | 15  |
| <b>V. Language Sequence</b> .....                                                                                                                                                                                                       |     |
| <b>VI. Minor</b> .....                                                                                                                                                                                                                  |     |
| <b>VII. Free Electives</b> .....                                                                                                                                                                                                        |     |
| Total Requirements .....                                                                                                                                                                                                                | 120 |

## B.A. in Fine Arts

|                                                                                                                                                                                                                                         |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Art History Concentration</b>                                                                                                                                                                                                        | <b>Semester Hours</b> |
| <b>I. AUM Core Curriculum and UNIV Requirements</b>                                                                                                                                                                                     |                       |
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                                                                                                                                                                             | 6                     |
| Area II. Humanities and Fine Arts .....                                                                                                                                                                                                 | 12                    |
| Literature (3 semester hours, minimum) <sup>1</sup>                                                                                                                                                                                     |                       |
| Fine Arts (3 semester hours, minimum)                                                                                                                                                                                                   |                       |
| Humanities and Fine Arts Elective <sup>2</sup>                                                                                                                                                                                          |                       |
| Area III. Natural Sciences and Mathematics .....                                                                                                                                                                                        | 11                    |
| Natural Sciences (8 semester hours, minimum)                                                                                                                                                                                            |                       |
| Mathematics (3 semester hours)                                                                                                                                                                                                          |                       |
| Area IV. History, Social and Behavioral Sciences .....                                                                                                                                                                                  | 12                    |
| History (3 semester hours, minimum) <sup>2</sup>                                                                                                                                                                                        |                       |
| History, Social Science and Behavioral Science Electives                                                                                                                                                                                |                       |
| UNIV <sup>3</sup> .....                                                                                                                                                                                                                 | 3                     |
| Total Hours.....                                                                                                                                                                                                                        | 44                    |
| <sup>1</sup> A sequence of literature or history is required.                                                                                                                                                                           |                       |
| <sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.                                                                               |                       |
| <sup>3</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students. |                       |
| <b>II. Foundation</b>                                                                                                                                                                                                                   |                       |
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                                                                                                                                                                                     | 6                     |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing .....                                                                                                                                                                    | 6                     |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....                                                                                                                                                                               | 6                     |
| Total Hours.....                                                                                                                                                                                                                        | 18                    |
| <b>III. Concentration</b>                                                                                                                                                                                                               |                       |
| 6 VISU 3000/4000-Level Art History electives .....                                                                                                                                                                                      | 21                    |
| <b>IV. Language Sequence</b> .....                                                                                                                                                                                                      |                       |
| 16                                                                                                                                                                                                                                      |                       |

|                          |     |
|--------------------------|-----|
| V. Free Electives .....  | 9   |
| VI. Minor .....          | 12  |
| Total Requirements ..... | 120 |

## B.F.A. in Art

### Graphic Design Concentration

### Semester Hours

#### I. AUM Core Curriculum and UNIV Requirements

|                                                             |    |
|-------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6  |
| Area II. Humanities and Fine Arts .....                     | 12 |
| Literature (3 semester hours, minimum) <sup>1</sup>         |    |
| Fine Arts (3 semester hours, minimum)                       |    |
| Humanities and Fine Arts Elective <sup>2</sup>              |    |
| Area III. Natural Sciences and Mathematics .....            | 11 |
| Natural Sciences (8 semester hours, minimum)                |    |
| Mathematics (3 semester hours)                              |    |
| Area IV. History, Social and Behavioral Sciences .....      | 12 |
| History (3 semester hours, minimum) <sup>2</sup>            |    |
| History, Social Science and Behavioral Science Electives    |    |
| UNIV <sup>3</sup> .....                                     | 3  |
| Total Hours .....                                           | 44 |

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

<sup>3</sup> The following students are exempt from UNIV 1000: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

#### II. Foundation

|                                                                      |    |
|----------------------------------------------------------------------|----|
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                  | 6  |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing ..... | 6  |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....            | 6  |
| Total Hours .....                                                    | 18 |

#### III. Upper Level Art History

|                                               |   |
|-----------------------------------------------|---|
| VISU 3000-4000 WI Art History Electives ..... | 6 |
|-----------------------------------------------|---|

#### IV. Concentration

|                                                                         |    |
|-------------------------------------------------------------------------|----|
| VISU 2702 Digital Foundations .....                                     | 3  |
| VISU 2722 Typography 1 and VISU 3722 Typography 2 .....                 | 6  |
| VISU 2732 Design Techniques and VISU 4732 Advanced Graphic Design ..... | 10 |
| VISU 3080 History of Graphic Design .....                               | 3  |
| VISU 4702 Interaction Design and VISU 4712 Animation .....              | 6  |
| VISU 4742 Advertising Art .....                                         | 3  |
| VISU 4982 Senior Project .....                                          | 3  |
| Total Hours .....                                                       | 30 |

|                         |   |
|-------------------------|---|
| V. VISU Electives ..... | 9 |
|-------------------------|---|

|                          |    |
|--------------------------|----|
| VI. Free Electives ..... | 15 |
|--------------------------|----|

|                          |     |
|--------------------------|-----|
| Total Requirements ..... | 122 |
|--------------------------|-----|

## B.F.A. in Art

### Painting and Drawing Concentration

### Semester Hours

#### I. AUM Core Curriculum and UNIV Requirements

|                                                             |    |
|-------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6  |
| Area II. Humanities and Fine Arts .....                     | 12 |
| Literature (3 semester hours, minimum) <sup>1</sup>         |    |
| Fine Arts (3 semester hours, minimum)                       |    |
| Humanities and Fine Arts Elective <sup>2</sup>              |    |



|                                                                                                                                                                                                                                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Area III. Natural Sciences and Mathematics .....                                                                                                                                                                                        | 11  |
| Natural Sciences (8 semester hours, minimum)                                                                                                                                                                                            |     |
| Mathematics (3 semester hours)                                                                                                                                                                                                          |     |
| Area IV. History, Social and Behavioral Sciences .....                                                                                                                                                                                  | 12  |
| History (3 semester hours, minimum) <sup>2</sup>                                                                                                                                                                                        |     |
| History, Social Science and Behavioral Science Electives                                                                                                                                                                                |     |
| UNIV <sup>3</sup> .....                                                                                                                                                                                                                 | 3   |
| Total Hours .....                                                                                                                                                                                                                       | 44  |
| <sup>1</sup> A sequence of literature or history is required.                                                                                                                                                                           |     |
| <sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.                                                                               |     |
| <sup>3</sup> The following students are exempt from UNIV: transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students. |     |
| <b>II. Foundation</b>                                                                                                                                                                                                                   |     |
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                                                                                                                                                                                     | 6   |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing .....                                                                                                                                                                    | 6   |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....                                                                                                                                                                               | 6   |
| Total Hours .....                                                                                                                                                                                                                       | 18  |
| <b>III. Upper Level Art History</b>                                                                                                                                                                                                     |     |
| VISU 3000-4000 Art History Electives .....                                                                                                                                                                                              | 9   |
| <b>IV. Concentration</b>                                                                                                                                                                                                                |     |
| VISU 2202 Watercolor .....                                                                                                                                                                                                              | 3   |
| VISU 2212 Beginning Painting .....                                                                                                                                                                                                      | 3   |
| VISU 3122 Advanced Drawing .....                                                                                                                                                                                                        | 3   |
| VISU 3512 Intermediate Painting and VISU 4242 Advanced Painting .....                                                                                                                                                                   | 6   |
| VISU 4982 Senior Project .....                                                                                                                                                                                                          | 3   |
| Total Hours .....                                                                                                                                                                                                                       | 18  |
| <b>V. VISU Electives</b> .....                                                                                                                                                                                                          | 15  |
| <b>VI. Free Electives</b> .....                                                                                                                                                                                                         | 18  |
| Total Requirements .....                                                                                                                                                                                                                | 122 |

## B.F.A. in Art

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| <b>Photography Concentration</b>                            | <b>Semester Hours</b> |
| <b>I. AUM Core Curriculum and UNIV Requirements</b>         |                       |
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6                     |
| Area II. Humanities and Fine Arts .....                     | 12                    |
| Literature (3 semester hours, minimum) <sup>1</sup>         |                       |
| Fine Arts (3 semester hours, minimum)                       |                       |
| Humanities and Fine Arts Elective <sup>2</sup>              |                       |
| Area III. Natural Sciences and Mathematics .....            | 11                    |
| Natural Sciences (8 semester hours, minimum)                |                       |
| Mathematics (3 semester hours)                              |                       |
| Area IV. History, Social and Behavioral Sciences .....      | 12                    |
| History (3 semester hours, minimum) <sup>2</sup>            |                       |
| History, Social Science and Behavioral Science Electives    |                       |
| UNIV <sup>3</sup> .....                                     | 3                     |
| Total Hours .....                                           | 44                    |

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

<sup>3</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

|                                                                               |     |
|-------------------------------------------------------------------------------|-----|
| <b>II. Foundation</b>                                                         |     |
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                           | 6   |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing .....          | 6   |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....                     | 6   |
| Total Hours.....                                                              | 18  |
| <b>III. Upper Level Art History</b>                                           |     |
| VISU 3000-4000 WI Art History Electives .....                                 | 6   |
| <b>IV. Concentration</b>                                                      |     |
| VISU 2712 Photography 1.....                                                  | 3   |
| VISU 2812 Digital Photography and VISU 2832 Advanced Digital Photography..... | 6   |
| VISU 3912 Alternative Processes .....                                         | 3   |
| VISU 4010 History of Photography.....                                         | 3   |
| COMM 3760 Video Production 1 and COMM 3763 Video Production 2 .....           | 6   |
| VISU 4982 Senior Project .....                                                | 3   |
| Total Hours.....                                                              | 24  |
| <b>V. VISU Electives</b> .....                                                | 9   |
| <b>VI. Free Electives</b> .....                                               | 21  |
| Total Requirements .....                                                      | 122 |

## B.F.A. in Art

### Sculpture Concentration

### Semester Hours

#### I. AUM Core Curriculum and UNIV Requirements

|                                                             |    |
|-------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6  |
| Area II. Humanities and Fine Arts .....                     | 12 |
| Literature (3 semester hours, minimum) <sup>1</sup>         |    |
| Fine Arts (3 semester hours, minimum)                       |    |
| Humanities and Fine Arts Elective <sup>2</sup>              |    |
| Area III. Natural Sciences and Mathematics .....            | 11 |
| Natural Sciences (8 semester hours, minimum)                |    |
| Mathematics (3 semester hours)                              |    |
| Area IV. History, Social and Behavioral Sciences .....      | 12 |
| History (3 semester hours, minimum) <sup>2</sup>            |    |
| History, Social Science and Behavioral Science Electives    |    |
| UNIV <sup>3</sup> .....                                     | 3  |
| Total Hours.....                                            | 44 |

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

<sup>3</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

#### II. Foundation

|                                                                      |    |
|----------------------------------------------------------------------|----|
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                  | 6  |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing ..... | 6  |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....            | 6  |
| Total Hours.....                                                     | 18 |

#### III. Upper Level Art History

|                                            |   |
|--------------------------------------------|---|
| VISU 3000-4000 Art History Electives ..... | 6 |
|--------------------------------------------|---|

#### IV. Concentration

|                                                       |   |
|-------------------------------------------------------|---|
| VISU 2312 Sculpture 1 and VISU 3322 Sculpture 2 ..... | 6 |
| VISU 3122 Advanced Drawing .....                      | 3 |
| VISU 3412 Ceramics 1 .....                            | 3 |
| VISU 4332 Sculpture 3 and VISU 4342 Sculpture 4 ..... | 6 |
| VISU 4982 Senior Project .....                        | 3 |



|                          |     |
|--------------------------|-----|
| Total Hours.....         | 21  |
| IV. VISU Electives ..... | 15  |
| V. Free Electives .....  | 18  |
| Total Requirements ..... | 122 |

## B.F.A. in Art

### Ceramics Concentration

### Semester Hours

#### I. AUM Core Curriculum and UNIV Requirements

|                                                             |    |
|-------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) ..... | 6  |
| Area II. Humanities and Fine Arts .....                     | 12 |
| Literature (3 semester hours, minimum) <sup>1</sup>         |    |
| Fine Arts (3 semester hours, minimum)                       |    |
| Humanities and Fine Arts Elective <sup>2</sup>              |    |
| Area III. Natural Sciences and Mathematics .....            | 11 |
| Natural Sciences (8 semester hours, minimum)                |    |
| Mathematics (3 semester hours)                              |    |
| Area IV. History, Social and Behavioral Sciences .....      | 12 |
| History (3 semester hours, minimum) <sup>2</sup>            |    |
| History, Social Science and Behavioral Science Electives    |    |
| UNIV <sup>3</sup> .....                                     | 3  |
| Total Hours.....                                            | 44 |

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Fine Arts students are required to take COMM 1010 Introduction to Human Communication, either as a humanities requirement or as an elective.

<sup>3</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

#### II. Foundation

|                                                                      |    |
|----------------------------------------------------------------------|----|
| VISU 1102 2-D Design and VISU 1132 3-D Design .....                  | 6  |
| VISU 1112 Beginning Drawing and VISU 1122 Intermediate Drawing ..... | 6  |
| VISU 2030 Art History 1 and VISU 2040 Art History 2 .....            | 6  |
| Total Hours.....                                                     | 18 |

#### III. Upper Level Art History

|                                            |   |
|--------------------------------------------|---|
| VISU 3000-4000 Art History Electives ..... | 6 |
|--------------------------------------------|---|

#### IV. Concentration

|                                                     |    |
|-----------------------------------------------------|----|
| VISU 2312 Sculpture 1 .....                         | 3  |
| VISU 3122 Advanced Drawing .....                    | 3  |
| VISU 3412 Ceramics 1 and VISU 3422 Ceramics 2 ..... | 6  |
| VISU 4432 Ceramics 3 and VISU 4442 Ceramics 4 ..... | 6  |
| VISU 4982 Senior Project .....                      | 3  |
| Total Hours.....                                    | 21 |

|                         |    |
|-------------------------|----|
| V. VISU Electives ..... | 15 |
|-------------------------|----|

|                          |    |
|--------------------------|----|
| VI. Free Electives ..... | 18 |
|--------------------------|----|

|                          |     |
|--------------------------|-----|
| Total Requirements ..... | 122 |
|--------------------------|-----|

## Minors

The Department of Fine Arts offers a variety of minors, each requiring between 12-18 credit hours. These include painting, sculpture, ceramics, graphic design, art history, photography, and music. Contact the department for requirements.

## History

The undergraduate program in history is designed to give students insight into the world in which they live and the forces and events that helped shape it. In its broadest sense, the discipline of history offers a foundation for all other subjects and disciplines and is essential to a liberal arts education. It also teaches students how to find important information about the past, analyze and evaluate that information, and communicate their findings in an intelligent and convincing manner. Majoring in history is excellent preparation for careers in business, government, law, and other professions.

At AUM, that means development of a strong background in the history and culture of the major peoples and nations of the world, readying the student for work domestically and in companies and governments with overseas operations.

## History Major

| I. AUM Core Curriculum Requirements                                                                                                                                                                                                             | Semester Hours |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) <sup>1</sup> .....                                                                                                                                                                        | 6              |
| Area II. Humanities and Fine Arts .....                                                                                                                                                                                                         | 12             |
| Literature (3) .....                                                                                                                                                                                                                            | 6              |
| Fine Arts <sup>1</sup> (3) .....                                                                                                                                                                                                                | 3              |
| Humanities and Fine Arts Electives (6) .....                                                                                                                                                                                                    |                |
| Area III. Natural Sciences and Mathematics .....                                                                                                                                                                                                | 11             |
| Natural Sciences <sup>2</sup> (8) .....                                                                                                                                                                                                         | 8              |
| Mathematics <sup>3</sup> (3) .....                                                                                                                                                                                                              | 3              |
| Area IV. History, Social Sciences and Behavioral Sciences .....                                                                                                                                                                                 | 12             |
| (History requires a two-course sequence: HIST 1010 World History I and HIST 1020 World History II;<br>OR HIST 1060 Western Civilization I and HIST 1070 Western Civilization II; AND HIST 2010 U.S.<br>History I and HIST 2020 U.S. History II) |                |
| University Success (UNIV) <sup>4</sup> .....                                                                                                                                                                                                    | 3              |
| Total Hours .....                                                                                                                                                                                                                               | 44             |
| <sup>1</sup> A grade of C or better must be earned in each class.                                                                                                                                                                               |                |
| <sup>2</sup> Each course must include a lab.                                                                                                                                                                                                    |                |
| <sup>3</sup> MATH 1100 or above.                                                                                                                                                                                                                |                |
| <sup>4</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.         |                |
| II. Departmental Liberal Education Requirements                                                                                                                                                                                                 |                |
| Philosophy .....                                                                                                                                                                                                                                | 3              |
| Geography 2050 or 2150 or Anthropology 2110 .....                                                                                                                                                                                               | 3              |
| Political Science 2020 .....                                                                                                                                                                                                                    | 3              |
| Total Hours .....                                                                                                                                                                                                                               | 9              |
| III. Major Requirements                                                                                                                                                                                                                         |                |
| A two course sequence in one foreign language .....                                                                                                                                                                                             | 8              |
| Two courses in fields other than European or United States history:                                                                                                                                                                             |                |
| Latin America, Asia, Africa, 3000 level or above .....                                                                                                                                                                                          | 6              |
| Two European history, 3000 level or above .....                                                                                                                                                                                                 | 6              |
| Two courses in American history, 3000 level or above .....                                                                                                                                                                                      | 6              |
| One course in historiography .....                                                                                                                                                                                                              | 3              |
| One course in historical methods .....                                                                                                                                                                                                          | 3              |
| HIST 2000 .....                                                                                                                                                                                                                                 | 3              |
| History Electives .....                                                                                                                                                                                                                         | 9              |
| Note: From among the courses in history, two must be taken in the fields before 1750, 3000 level or above. Must earn a C or better in historiography and historical methods.                                                                    |                |
| Total Hours .....                                                                                                                                                                                                                               | 44             |
| IV. Secondary Concentration                                                                                                                                                                                                                     |                |
| Students must take four upper-level courses in a single area (a total of 12 credit hours at the 2000 level                                                                                                                                      |                |



|                                 |     |
|---------------------------------|-----|
| or above).....                  | 12  |
| <b>V. Free Electives</b> .....  | 12  |
| <b>Total Requirements</b> ..... | 121 |

**History Minor:** A minor focusing on the history of the United States and/or other world regions, depending on the student's interests. Students must take four upper- level courses in history (a total of 12 credits at the 3000 level or above).

## Bachelor of Interdisciplinary Studies Degree

The B.I.S. degree primarily serves the needs of students seeking an alternative to the traditional program of disciplinary majors and minors and also those who may have acquired academic credits in diverse curricula from other institutions or from military schools. The B.I.S. also has a defined track in Religious Studies for students who wish to study that subject. The B.I.S. requires the same quality of academic endeavor as any other baccalaureate degree awarded by the university. The principal difference between this program and other baccalaureate programs is the absence of a disciplinary major and the uniqueness of the combined methods of study. Applicants should meet the same general requirements for admission to the university as other degree-seeking applicants.

The B.I.S. degree program is based on a curriculum of interdisciplinary studies.

No more than 30 semester hours of courses offered by the College of Business may be counted toward satisfying the requirements for the Bachelor of Interdisciplinary Studies degree.

| Curriculum Requirements (pending approval from curriculum committee)                 | Semester Hours |
|--------------------------------------------------------------------------------------|----------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                          | 6              |
| Area II. Humanities and Fine Arts .....                                              | 12             |
| Fine Arts (3 semester hours, minimum)                                                |                |
| Literature (3 semester hours, minimum) <sup>1</sup>                                  |                |
| Elective (3 semester hours, minimum)                                                 |                |
| Communication (3 semester hours, minimum, of COMM 1010 or COMM 2212)                 |                |
| Area III. Natural Sciences and Mathematics .....                                     | 11             |
| Math (3 semester hours, minimum)                                                     |                |
| Sciences with labs (8 semester hours, minimum)                                       |                |
| Area IV. History, Social and Behavioral Sciences .....                               | 12             |
| History (3 semester hours, minimum) <sup>1</sup>                                     |                |
| Electives (9 semester hours, minimum)                                                |                |
| University Success, UNIV 1000 (3 semester hours) <sup>2</sup>                        |                |
| Area V. Major Requirement .....                                                      | 42-47          |
| Methodology Electives Electives <sup>3</sup> (3-8 semester hours)                    |                |
| Major Electives (3000 level or above - a minimum of 36 semester hours)               |                |
| Interdisciplinary Capstone Course (3 semester hours)                                 |                |
| Area VI. Free Electives (1000 level or above) (a minimum of 29 semester hours) ..... | 29-34          |

<sup>1</sup> A two-course sequence of literature or history is required.

<sup>2</sup> The following students are exempt from UNIV : Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified, or graduate students.

<sup>3</sup> Students must complete between 3-8 credit hours focused on methodology or skills rather than subject/content specific knowledge (e.g., courses in research methodology, statistics, critical reasoning, programming, foreign language, advanced math, etc.)

Systematic advising is an integral part of the candidate's experience under the B.I.S. program. The student is expected to consult with his or her advisor every semester prior to registering for courses. Each program, which includes the balance and distribution of courses within the four designated areas, is subject to the advisor's approval. A minimum of 36 hours of the student's course work is to be at the 3000 level or above. Therefore, the B.I.S. student should ensure that he or she has sufficient prerequisites in several areas to be eligible for advanced work. Also, a minimum 2.00 GPA must be attained in all 3000 level or above courses applied to the B.I.S. degree.

Any student who transfers from another AUM curriculum or from another institution to the B.I.S. curriculum must be enrolled in the B.I.S. program for at least one semester (for a minimum of 12 credit hours) for graduation. However, all students must meet the university's minimum residence requirement of 30 semester hours for a baccalaureate degree. No more than 30 semester hours of courses offered by the College of Business may be counted toward satisfying the requirements for the Bachelor of Interdisciplinary Studies degree.

### Religious Studies Track, B.I.S.

Religion is, and has been, an important force in shaping the world of the religious and those without religious commitments at all. The Religious Studies track in the B.I.S. leads students to examine religion across time and civilizations, providing them an arena for a broad intellectual investigation of religious beliefs and practices from a non-confessional standpoint. The program is vigorously interdisciplinary.

It also aims to develop the self-understanding and skills in reasoning and expression that are the hallmarks of a traditional liberal arts education. Although the major will be of particular interest to those who plan further study for entry into the clergy, it serves any student who seeks a liberal arts education as preparation for careers in law, publishing, government, and others.

| Curriculum Requirements                                                      | Semester Hours |
|------------------------------------------------------------------------------|----------------|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                  | 6              |
| Area II. Humanities and Fine Arts .....                                      | 12             |
| Area II Literature (3 semester hours, minimum) <sup>1</sup>                  |                |
| Area II Fine Arts (3 semester hours, minimum)                                |                |
| Area II Communication (3 semester hours, minimum, of COMM 1010 or COMM 2212) |                |
| Area II Elective (3 semester hours, minimum)                                 |                |
| Area III. Natural Sciences and Mathematics .....                             | 11             |
| Area III Math (3 semester hours, minimum)                                    |                |
| Area III Sciences with labs (8 semester hours, minimum)                      |                |
| Area IV. History, Social and Behavioral Sciences .....                       | 12             |
| Area IV History (3 semester hours, minimum) <sup>1</sup>                     |                |
| Area IV Electives (9 semester hours, minimum)                                |                |
| Other Requirements .....                                                     | 14             |
| University Success, UNIV (3 semester hours) <sup>2</sup>                     |                |
| Foreign Language (8 semester hours, minimum) <sup>3</sup>                    |                |
| Computer Literacy (3 semester hours, minimum) <sup>4</sup>                   |                |

To meet the Religious Studies Concentration's requirement of four Writing Intensive ("WI") courses, students must complete ENGL 1010; ENGL 1020; and two "content" (four-hour) WI 3000-level or higher humanities or social sciences courses.

In addition to the requirements listed above, students must meet the following<sup>5</sup>:

- I. **Foundation courses**..... 6-8  
Students must take both of the following courses:  
RELI 2010 Introduction to World Religions  
RELI 3000 Theories and Methods in the Study of Religion
- II. **Theory courses**..... 3-5  
Students must take one (1) of the following courses:



PHIL 4200 Philosophy of Religion  
 SOCI 4360 Sociology of Religion  
 ANTH 4200 Anthropology of Religion  
 PSYC 3330 Psychology of Religion

**III. Abrahamic religions.....9-11**

Students must take at least one course dealing with each of the following topics:

Judaism (3 hours):

HIST 3430 Survey of Old Testament

ENGL 4370 Old Testament as Literature Christianity (3 hours):

HIST 3440 Survey of New Testament

HIST 3410 History of Early Christianity Islam (3 hours):

RELI 3100 Introduction to Islam

**IV. Non-Western religions ..... 3-5**

Students must take one of the following courses:

SOCI 4600 Religions of East Asia

HIST 4130 Native American Religions

**V. Distribution and elective courses.....2-14**

Students must take twelve (12) hours of religion-related electives from three (3) different disciplines.

These disciplines include Anthropology, Art, Communication, English, Geography, History, International Studies, Philosophy, Sociology, and Theatre. These courses can be drawn from courses listed under the above requirements that were not used to meet those requirements. This tier also includes the following courses:

ENGL 3350 Literature and Myth

ENGL 3360 The Bible as Literature

HIST 3400 Religions in the Roman Empire

HIST 3420 Medieval and Modern Christianity

HIST 4120 History of Religion in America

HIST 4240 Witchcraft and Magic Before 1700

HIST 4320 The Reformation

HIST 4350 Pilgrimage in the Middle Ages

INTL 4400 Hispanic Spirituality

PHIL 4110 God and Morality

PHIL 4210 Philosophical Theology in the Christian Tradition

PHIL 4220 The Philosophical Writings of C.S. Lewis

PHIL 4230 Science and Religion

SPAN 3110 Spanish Civilization

SPAN 3210 Spanish American Civilization

Special Topics courses in the disciplines listed in this category approved by the Religious Studies Coordinator.

**VI. Senior Thesis.....3**

All students are required to complete a senior thesis:

RELI 4900: Senior Thesis in Religious Studies (serves as Capstone course)

**VII. Minor ..... 12**

**VIII. Free electives..... 16**

A minimum of 9 hours of 3000-and/or 4000-level courses are required in social/behavioral sciences.

A minimum of 9 hours of 3000-and/or 4000-level courses are required in humanities.

**Total Requirements ..... 126**

<sup>1</sup> A two-course sequence of literature or history is required.

<sup>2</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified, or graduate students.

<sup>3</sup> A two-course sequence or its equivalent, of a foreign language.

<sup>4</sup> Computer literacy courses include CSCI 1000, GEOG 3950, INFO 2050, VISU 2702, VISU 2732, or other advisor-approved courses.

<sup>5</sup> All students must take at least two courses from sections I-V that are offered as Writing Intensive (WI) courses.

## Political Science Major

The Department of Political Science and Public Administration offers a curriculum providing students with the opportunity to earn a Bachelor's of Science in Political Science. The Department offers a variety of courses exploring the multiple and various dimensions of politics and enables students to construct a course of study tailored to their particular interests. The undergraduate program is relevant for all students interested in politics. Students majoring in political science often seek careers in academics, business, education, government, journalism, law, politics, and public service.

All majors in political science will follow a plan of study that will include the courses and areas listed below:

| AUM Core Curriculum Requirements                                                             | Semester Hours |
|----------------------------------------------------------------------------------------------|----------------|
| Area I. Written Composition                                                                  |                |
| English Composition (ENGL 1010 and 1020).....                                                | 6              |
| Area II. Humanities and Fine Arts .....                                                      | 12             |
| Must include at least one literature course and one course in fine arts from University core |                |
| Area III. Natural Science and Mathematics .....                                              | 11             |
| One mathematics course and two science courses with lab from the University core.            |                |
| Area IV. History, Social Sciences and Behavioral Sciences (four courses).....                | 12             |
| History (two courses; sequence required)                                                     |                |
| Total Core Requirements.....                                                                 | 41             |

| Additional Requirements                                               | Semester Hours |
|-----------------------------------------------------------------------|----------------|
| ECON 2000 or ECON 2010.....                                           | 3              |
| JUST 1150 or JUST 1270.....                                           | 3              |
| SOCI 2000 or GEOG 2050.....                                           | 3              |
| Any statistics course .....                                           | 3              |
| Two social sciences or history courses (specific focus required)..... | 6              |
| Total Non-Political Science.....                                      | 18             |

| Required Political Science Courses                                                                                                               |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----|
| POLS 2020 .....                                                                                                                                  | 3  |
| POLS 2200 or POLS 3450.....                                                                                                                      | 3  |
| POLS 3010 <sup>1</sup> .....                                                                                                                     | 3  |
| POLS 4952 <sup>1</sup> .....                                                                                                                     | 3  |
| Eight additional elective political science courses .....                                                                                        | 24 |
| Elective courses must include three 3000 level courses, two 4000 level courses, and one course satisfying the department's diversity requirement |    |
| Total Hours Political Science .....                                                                                                              | 36 |

<sup>1</sup> Students majoring in Political Science must earn a grade of "C" or better in these courses.

| Electives                             |     |
|---------------------------------------|-----|
| Must include UNIV 1000 (3 hours)..... | 25  |
| Total Hours Required .....            | 120 |

Political science is a frequently selected major for students interested in attending law school and entering the legal profession. One reason for this relationship is that political science courses emphasize analytical and critical thinking, careful reading, and persuasive writing, skills highly valued in the legal profession. The Department is extremely proud of its record in preparing students for admission to numerous American Bar Association accredited law schools.

## Political Science Minor

The Department offers students an opportunity to pursue a minor in political science focusing on various aspects of governance, political processes, and behavior. The minor comprises 15 credit hours. Those five



political science department courses are to include POLS 2020 Introduction to American Politics and/or POLS 2200 Introduction to International Relations and at least one 4000-level course. Students must achieve a GPA of 2.0 in all minor courses to be awarded a minor in political science.

### **International Relations Minor**

The Department offers an opportunity to pursue a minor in international relations focusing on the political processes (political institutions, structure, behavior and policies) in other countries and world regions, and the role the global environment plays in shaping politics in the United States and abroad, and the relationships among countries. The minor comprises five political science department courses including POLS 2200 Introduction to International Relations and POLS 3450 Introduction to Comparative Politics. Students select three additional courses from among current department courses to include POLS 4220 American Foreign Policy, POLS 4250 Conflict and Diplomacy, POLS 4280 International Political Economy, POLS 4350 Area Studies, and POLS 4870 Psychology of Terrorism. Students must achieve a GPA of 2.0 in all minor courses to be awarded a minor in international relations.

### **Public Administration**

Students interested in a public service career are encouraged to pursue the undergraduate degree in political science and, subsequently, consider the Department's Master's Degree Program in Public Administration. The undergraduate program introduces students to the determinants and consequences of important examples of public policy; the master's degree program offers students more advanced training in various areas of public administration.

## **Army Reserve Officers Training Corps/Military Science (MILS) Department of Military Science**

The purpose of the Army ROTC curriculum is to develop well-educated junior officers for the Active Army, as well as the Army National Guard and Army Reserve. The curriculum is divided into two course levels: a general leadership course (basic course) open to all freshmen and sophomores and an officer development course (advanced course) for contracted juniors, seniors and graduate students. Successful completion of both courses and award of a bachelor's degree constitute the normal progression to earning a commission as a second lieutenant.

A student undecided about pursuing a commission may keep this option open by participation in the general leadership course together with his or her chosen curriculum. The course provides freshmen and sophomores the opportunity to make an educated decision on the advantages of earning an officer's commission while incurring no military obligation. Successful completion of the general leadership course or commensurate training is a prerequisite for enrollment in the officer development course.

The Army ROTC curriculum prepares students to become critical thinkers and effective leaders in a variety of challenging commissioned officer specialties, thus facilitating early middle management career development and progression. ROTC students will develop critical thinking skills and their leadership ability during classroom, lab, and field training environments.

### **General Leadership Course (Basic Program)**

The basic program consists of a four-semester blocks of instruction normally taken during the freshman and sophomore years. These general leadership courses consist of a wide variety of military science topics at the 1000 and 2000 level.

These courses provide a foundation in basic military subjects as well as time management, stress management, financial management, first aid and ethics. Selected courses are offered during fall and spring semesters with one or two credit hours gained for each course. Elective credits earned apply toward degree requirements in all schools of the college. Freshman level courses are one hour a week (plus one hour of

Leadership Lab), while sophomore level courses are two hours each week (plus one hour of Leadership Lab). These courses are open to all students and they do not incur any military obligation unless they are ROTC scholarship recipients or receiving other ROTC financial benefits as a result of contracting.

### **Simultaneous Membership Program (SMP)**

The Simultaneous Membership Program (SMP) allows Army National Guard and Army Reserve enlisted members to participate in ROTC, starting in the sophomore year with 2000 level courses. Prior military service eliminates the prerequisite for the 1000 level course for SMP students.

ROTC SMP students are paid for their guard/reserve training and receive the ROTC stipend once contracted. Once contracted, an SMP is categorized as non-deployable. This ensures the SMP student can focus on completing their education.

Upon commissioning, the officer has an eight-year obligation in the reserve forces. The last four years of the commitment may be served in the Individual Ready Reserve (IRR).

### **Basic Camp**

Those academically qualified students who are unable to fulfill the requirements of the basic program during their freshman year may qualify for admission to the officer development course by successfully completing AROTC Basic Camp. This option is primarily designed to meet the needs of transfer students, and others, including graduate students, who have four semesters (two years) remaining at the university. This option provides a three-year program in lieu of the standard four-year curriculum.

### **Advanced Course**

The Advanced Course, which is comprised of the MILS 3000 and 4000 series courses, is designed to fully develop a Cadet's leadership potential as well as those personal characteristics desired of an Army officer. Its objective is to produce the highest caliber junior officer, fully capable of performing a wide spectrum of responsibilities in the modern Army.

The Advanced Course consists of four semesters of classes normally taken during the junior and senior years. Successful completion of four courses, together with leadership laboratory, fulfills military science academic requirements for award of an officer's commission. Three credit hours per semester are earned in each course. 3000 and 4000 level courses require prerequisite Basic Camp completion or equivalent in military training, be a contracted Cadet, US citizen and be approved by the Professor of Military Science before enrolling.

Advanced Course students are eligible to participate in the Simultaneous Membership Program (SMP) with the Army National Guard or Army Reserve.

### **Advance Camp**

Every Army ROTC Cadet who enters into the Advanced Course attends Advance Camp. It is a five-week summer program to evaluate and train all Army ROTC Cadets. This course normally takes place between your junior and senior years of college and is conducted at Fort Knox, Kentucky.

Additional voluntary training at a variety of active Army service schools is available to selected students during the summer. Students may have the opportunity to attend at Airborne School, Air Assault School, Cultural Understanding and Proficiency Program, and Cadet Troop Leadership Training.

Contracted students who successfully complete the Army ROTC curriculum and earn a bachelor's degree may be commissioned a second lieutenant. Subsequent military service may be on Active Duty or with the Army National Guard or Army Reserve.



## Scholarships

Each year the Army offers a variety of scholarship programs to young men and women who have demonstrated outstanding academic scholarship, physical fitness and leadership potential. Two-, three- and four-year scholarships may be available directly through the Professor of Military Science. Scholarships pay for full tuition and fees. In addition, they provide a yearly book allowance. Special scholarships are also available for nursing students interested in joining the Army as a nurse. Students interested in competing for ROTC scholarships should contact the military science department at 334-244-3528.

## Army ROTC as an Academic Minor

The amount of ROTC credit awarded in the different schools and curricula varies considerably, with a maximum of 26 hours being accepted within a 120-hour degree program in any curriculum. Acceptance of ROTC credit within a student's program is at the discretion of the individual academic department. Such credit may be applied as undesignated elective credit or towards a minor.

## Sociology Major

The Department of Sociology, Anthropology, and Social Work houses the disciplines of sociology, anthropology, and pre-social work. A student may major in sociology, choosing concentrations in general sociology, marriage and family or anthropology. The department also offers minors in sociology, anthropology, and Child Advocacy Studies. A student electing to major in sociology in the department must satisfy the following requirements and must earn a "C" or better in all major area courses.

| I. AUM Core Curriculum Requirements                             | Semester Hours |
|-----------------------------------------------------------------|----------------|
| Area I. English Composition (ENGL 1010 and ENGL 1020) .....     | 6              |
| Area II. Humanities and Fine Arts .....                         | 12             |
| Literature <sup>1</sup> .....                                   | 3              |
| Literature <sup>1</sup> .....                                   | 3              |
| Fine Arts .....                                                 | 3              |
| COMM 2212 Public Speaking .....                                 | 3              |
| Area III. Science and Mathematics .....                         | 11             |
| Physical Science with lab .....                                 | 8              |
| Biology with lab .....                                          | 8              |
| MATH 1100 Finite Mathematics .....                              | 3              |
| Area IV. History, Social Sciences and Behavioral Sciences ..... | 12             |
| History <sup>1</sup> .....                                      | 3              |
| ANTH 2110 .....                                                 | 3              |
| GEOG 2050 or GEOG 2150 (for ANTH concentration only) .....      | 3              |
| University Success (UNIV) <sup>2</sup> .....                    | 3              |
| Total Hours .....                                               | 44             |

<sup>1</sup> Must complete a sequence in Literature

<sup>2</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

| II. Sociology Major Requirements                                            | Semester Hours |
|-----------------------------------------------------------------------------|----------------|
| Sociological Foundations (21 semester hours)                                |                |
| SOCI 2000 Introduction to Sociology .....                                   | 3              |
| SOCI 3010 Research Methods I or equivalent (ECST 2760) .....                | 3              |
| SOCI 3020 Research Methods II .....                                         | 3              |
| SOCI 3200 Social Stratification (not required for ANTH concentration) ..... | 3              |
| SOCI 4000 Social Theory .....                                               | 3              |
| SOCI 4350 Social Psychology .....                                           | 3              |
| SOCI 4950 Advanced Seminar .....                                            | 3              |
| Total Hours .....                                                           | 21             |

**III. Concentration Requirements (Each student selects one concentration.)****General Sociology:**

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| Social Institutions (6 hours from the following options).....                | 6  |
| SOCI 3250 Health and Illness .....                                           | 3  |
| SOCI 4360 Sociology of Religion .....                                        | 3  |
| SOCI 4300 Sociology of Family.....                                           | 3  |
| SOCI 4500 Sociology of Education .....                                       | 3  |
| Culture.....                                                                 | 3  |
| ANTH 4030 Cultural and Social Change .....                                   | 3  |
| SOCI Electives (12 hours minimum) at least 2 courses at 3000/4000 level..... | 12 |
| Total Hours.....                                                             | 21 |

**Marriage and Family:**

|                                        |   |
|----------------------------------------|---|
| Social Institutions (9 hours)          |   |
| SOCI 3250 Health and Illness .....     | 3 |
| SOCI 4360 Sociology of Religion .....  | 3 |
| SOCI 4300 Sociology of Family.....     | 3 |
| SOCI 4500 Sociology of Education ..... | 3 |

**Marriage and Family Electives (12 hours)**

|                                                                  |    |
|------------------------------------------------------------------|----|
| SOCI 2020 Intimate Lifestyles .....                              | 3  |
| SOCI 2250 Human Sexuality .....                                  | 3  |
| SOCI 4450 Child Welfare .....                                    | 3  |
| SOCI 3050 Women in Culture or SOCI 3070 Sociology of Gender..... | 3  |
| Total Hours.....                                                 | 21 |

**Anthropology (15 hours):**

|                                                |    |
|------------------------------------------------|----|
| ANTH 4030 Cultural and Social Change .....     | 3  |
| ANTH 4100 Biological Anthropology .....        | 3  |
| ANTH 2120 Archaeology .....                    | 3  |
| ANTH 3810 Linguistics .....                    | 3  |
| Anthropology Electives (12 hours minimum)..... | 12 |
| Total Hours.....                               | 24 |

**V. Minor..... 12**

The student may, in consultation with the academic advisor, select any minor that appears in the catalog or has been approved by the University Curriculum Committee.

**VI. Free Electives .....** varies on concentration  
**Minimum Total Requirements..... 120**

Under a major/minor option in the department, the student pursuing sociology concentrations may minor in anthropology or child advocacy studies. The student choosing the anthropology concentration may minor in sociology or child advocacy studies.

**Minor in Sociology**

A broad minor focusing on the various aspects of society, culture, and social life. A minor in Sociology consists of 12 semester hours of credit. Students wishing to minor in Sociology must complete SOCI 2010 Social Problems and 9 additional hours of SOCI course work at the 3000 or 4000 level. SOCI 2000 Introduction to Sociology is a prerequisite for the upper level courses. It can be used to satisfy a core requirement in Area IV.

**Minor in Anthropology**

A broad minor focusing toward the four-field approach to the study of anthropology. It consists of 12 semester hours of credit. Students must take four courses with the ANTH designation. ANTH 2110 Cultural Anthropology is a prerequisite for the upper level courses. While it cannot be used to satisfy the requirements for the minor, it can be used to satisfy a core requirement in Area IV.



### Minor in Child Advocacy Studies

This minor will prepare pre-professionals and practitioners to respond to child maltreatment in an ethical and culturally sensitive manner. Fifteen (15) hours required. Students must maintain a 2.0 Cumulative GPA and earn a minimum grade of 'C' in each course within the minor.

### Pre-Social Work Program

A student interested in social work may complete a maximum of three years of course work at AUM and transfer to Auburn University, Alabama State University or the University of Montevallo. The affiliated programs in social work lead to the Bachelor of Social Work degree and are accredited by the Council on Social Work Education. Students interested in social work should contact the department at 334-244-3378.

### Certificate in Museum Studies

Auburn University at Montgomery offers a 17-19 credit hour interdisciplinary certificate program in Museum Studies. It combines education in traditional academic subjects, focused on the student's particular area of interest, together with coursework in museum history, theory, and practice, historical research methods, and practical museum field experience, via an internship. The Museum Studies Certificate program provides students with an opportunity to gain an understanding of how museums and collecting institutions work and gives them the necessary "real world" experience they need to enter into a variety of cultural fields and museum positions.

### Certificate in Substance Abuse Prevention

The certificate in substance abuse prevention will provide students with education, training, and internship opportunities to prepare them to work with at-risk children, adolescents, transitional-age youth, and others at risk for developing substance abuse problems. This certificate program complements current and future careers in human resources, counseling, education, public policy and administration, sociology, nursing, or psychology. Coursework is designed to be completed in three semesters.

Fall

SOCI 3720 Alcohol, Drugs, and Society

Spring

SOCI 4720 Substance Abuse Prevention and Education

SOCI 4730 Substance Abuse Prevention with Special Populations

Summer

SOCI 4924 Internship in Substance Abuse Prevention

AUM is the only four-year institution in Alabama to offer a substance abuse prevention certificate program. The certificate program is approved by the Alabama Alcohol and Drug Abuse Association (AADAA), a nationally recognized certification organization. Upon completion of coursework, students will be prepared to sit for the International Certification and Reciprocity Consortium (IC&RC) Prevention Specialist exam.

### World Languages and Cultures

The demand for individuals who understand foreign cultures and who are trained in foreign languages is increasing. The bachelor's in world languages and cultures provides students the opportunity to develop the basic knowledge necessary for effective participation in international and intercultural activities. Furthermore, students are prepared to continue their studies in several advanced professional degree programs. The program is designed to emphasize knowledge of modern foreign global cultures and to enable students to develop a speaking ability in at least one world language.

The major requirements for the World Language and Cultures program are grouped into four study options: Francophone studies, Hispanic studies, German studies, and Chinese and East Asian studies; the fifth option in the major is international trade. Students who intend to go on to graduate studies in a foreign language should take a composition and a literature course numbered 3000-4999.

The department grants advanced placement and credit for languages other than English. See the World Languages and Cultures web page for details.

## B.A. in World Languages and Cultures

### I. AUM Core Curriculum Requirements

### Semester Hours

|                                                                                                                               |    |
|-------------------------------------------------------------------------------------------------------------------------------|----|
| Area I. Written Composition (ENGL 1010 and ENGL 1020) .....                                                                   | 6  |
| Area II. Humanities and Fine Arts .....                                                                                       | 12 |
| Literature: ENGL/INTL 2600 and ENGL/INTL 2610 (6 hours)                                                                       |    |
| COMM 1010 (3 hours)                                                                                                           |    |
| Fine Arts (3 hours)                                                                                                           |    |
| Area III. Science and Mathematics .....                                                                                       | 11 |
| Mathematics <sup>2</sup> (3 hours)                                                                                            |    |
| Sciences: Two laboratory courses in natural sciences selected from astronomy, biology, chemistry, geology, physics (8 hours)  |    |
| Area IV. History, Social Sciences and Behavioral Sciences .....                                                               | 12 |
| HIST 1010 and HIST 1020 (6 hours)                                                                                             |    |
| Two courses from anthropology, economics, geography, history, political science, psychology, sociology <sup>3</sup> (6 hours) |    |
| University Success (UNIV) <sup>4</sup> .....                                                                                  | 3  |
| Total Hours .....                                                                                                             | 42 |

<sup>1</sup> Preferred courses. Other courses accepted in this area are ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580.

<sup>2</sup> Students should complete placement testing before registering for the mathematics course. Students entering postsecondary education must fulfill Alabama core curriculum requirements in mathematics (MATH 1100, MATH 1120, MATH 1610, MATH 1620, MATH 2630, MATH 2660) to graduate from AUM. Students who entered a postsecondary education prior to 1998 fall term must meet either the core requirements in mathematics existing when they entered postsecondary education or Alabama core curriculum requirements in mathematics to graduate from AUM.

<sup>3</sup> ANTH 2110, GEOG 2050 or GEOG 2150 preferred for international studies majors; ECON 2010 and ECON 2020 required for international trade majors.

<sup>4</sup> The following students are exempt from UNIV: Transfer students with more than 24 earned credit hours and GPAs above 2.20, students seeking a second degree, transient, dual enrollment, unclassified or graduate students.

### II. Major Requirements

|                                                                                                                                                                                           |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| INTL 3000 Introduction to International Studies .....                                                                                                                                     | 3  |
| INTL 3010 Special Topics .....                                                                                                                                                            | 3  |
| INTL 4400 Special Topics in INTL (WI) .....                                                                                                                                               | 4  |
| Culture Electives .....                                                                                                                                                                   | 27 |
| Approved upper level courses in anthropology, economics, film studies, foreign language, geography, history, international business, literature, political science, theatre, visual arts. |    |
| AND                                                                                                                                                                                       |    |
| Francophone Studies                                                                                                                                                                       |    |
| FREN 1010 Elementary French I/Lab .....                                                                                                                                                   | 4  |
| FREN 1020 Elementary French II/Lab .....                                                                                                                                                  | 4  |
| FREN 2010 Intermediate French I/Lab .....                                                                                                                                                 | 4  |
| FREN 2020 Intermediate French II/Lab .....                                                                                                                                                | 4  |
| Eight FREN courses at 3000 or 4000 level .....                                                                                                                                            | 24 |
| OR                                                                                                                                                                                        |    |
| Hispanic Studies                                                                                                                                                                          |    |
| SPAN 1010 Elementary Spanish I/Lab .....                                                                                                                                                  | 4  |
| SPAN 1020 Elementary Spanish II/Lab .....                                                                                                                                                 | 4  |
| SPAN 2010 Intermediate Spanish I/Lab .....                                                                                                                                                | 4  |
| SPAN 2020 Intermediate Spanish II/Lab .....                                                                                                                                               | 4  |
| Eight SPAN courses at 3000 or 4000 level .....                                                                                                                                            | 24 |
| OR                                                                                                                                                                                        |    |
| German Studies                                                                                                                                                                            |    |



|                                                                                                                                                                                                                             |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| GERM 1010 Elementary German I/Lab.....                                                                                                                                                                                      | 4   |
| GERM 1020 Elementary German II/Lab .....                                                                                                                                                                                    | 4   |
| GERM 2010 Intermediate German I/Lab.....                                                                                                                                                                                    | 4   |
| GERM 2020 Intermediate German II/Lab.....                                                                                                                                                                                   | 4   |
| Eight GERM courses at 3000 or 4000 level.....                                                                                                                                                                               | 24  |
| OR                                                                                                                                                                                                                          |     |
| Chinese and East Asian Studies                                                                                                                                                                                              |     |
| CHIN 1010 Elementary Chinese I/Lab .....                                                                                                                                                                                    | 4   |
| CHIN 1020 Elementary Chinese II/Lab .....                                                                                                                                                                                   | 4   |
| CHIN 2010 Intermediate Chinese I/Lab .....                                                                                                                                                                                  | 4   |
| CHIN 2020 Intermediate Chinese II/Lab .....                                                                                                                                                                                 | 4   |
| Eight CHIN courses at 3000 or 4000 level .....                                                                                                                                                                              | 24  |
| Total Hours.....                                                                                                                                                                                                            | 61  |
| III. Minor.....                                                                                                                                                                                                             | 12  |
| IV. Electives.....                                                                                                                                                                                                          | 8   |
| Minimum Total Requirements .....                                                                                                                                                                                            | 124 |
| Note: FREN signifies that the course is taught in French; SPAN signifies that the course is taught in Spanish; GERM signifies that the course is taught in German; and CHIN signifies that the course is taught in Chinese. |     |

### International Trade Option

The World Languages and Cultures degree option in international trade is for students who wish to specialize in languages and cultural studies, with a secondary emphasis in global economics, international finance, international marketing and international management. Students may select any of the major language groups – French, Spanish, German, or Chinese – and supplement their cultural courses with selections from the international business curriculum. These courses include ECON 2010 Economics I and ECON 2020 Economics II under AREA IV of the AUM Core.

The five following courses are recommended to fulfill the Area V section of the AUM Core and Major:

| Requirements                                      | Semester Hours |
|---------------------------------------------------|----------------|
| MNGT 4760 International Business Law .....        | 3              |
| ECON 4700 International Economics .....           | 3              |
| FINA 4750 International Finance .....             | 3              |
| MNGT 4750 International Business Management ..... | 3              |
| MKTG 4650 International Marketing.....            | 3              |
| Total Hours.....                                  | 15             |

### Organizational Leadership Minor (15 Hours)

#### Course Required:

ORGL 1010 Introduction to Organizational Leadership is required for a number of the below classes but does not count toward the minor.

| Choose any 5 of the following:                            | Hours Credit |
|-----------------------------------------------------------|--------------|
| ORGL 3010 Leadership in Crisis .....                      | 3            |
| ORGL 3050 Conflict Resolution .....                       | 3            |
| ORGL 3970 Team Building I .....                           | 3            |
| ORGL 4220 Values and Ethics.....                          | 3            |
| MILS 3010/3011 Leadership and Problem Solving w/Lab ..... | 4            |
| MILS 3020/3021 Leadership and Ethics w/Lab .....          | 4            |
| MILS 4010/4011 Leadership and Management w/Lab.....       | 4            |
| AS 300 Air Force Leadership Studies .....                 | 4            |
| AS 301 Air Force Leadership Studies .....                 | 4            |

## Interdisciplinary Minors and Certificates

A minor is a prescribed area of academic study consisting of 12–18 semester hours to be determined at the discretion of the department offering the minor with approval of the dean of the college in which the minor is offered, the Curriculum Committee, and the provost. The prescribed courses for a minor may be taken from one or more academic disciplines. A minor is not a university requirement for graduation. A minor may, however, be required by a major.

Courses that make up the minor are determined by the department(s) offering the minor. Courses counting toward an elective minor may not be used to satisfy general education core or major requirements. A major for which a minor is required for graduation may count the same course for both major and minor requirements.

A minimum average of "C" (2.00) is required for courses applying to the minor. A minimum of six semester hours of credit applied to the minor must be completed in residence.

A maximum of two minors may be declared by a student. Minors must be declared by the end of the first week of the semester in which the student plans to graduate. Students must declare or change minors through the Registrar's Office. Minors will be recorded on the student's academic transcript.

Students are not limited to these minors only, but may select any approved university minor, for which they will fulfill the requirements in addition to the requirements of their selected major.

### Certificate in American Society and Culture

The certificate is aimed at international students pursuing careers that involve work in or with the United States or pursuing study in the United States, but is open to all students. In order to successfully do business in or with a country, a grasp of its society and culture are important. Formal instruction in American society and culture can also help enormously, both to broaden such students' cultural literacy regarding the U.S. and to give them a deeper understanding of its institutions and underpinnings.

The certificate program consists of six courses, three hours each (18 hours total), that can be added to a degree program at AUM, or simply taken as a self-standing certificate by international students earning a degree at an institution outside the U.S. The program can be completed online.

#### All students must complete the following:

- HIST 2010 United States History to 1865
- HIST 2020 United States History since 1865
- POLS 2020 Introduction to American Politics

#### All students must also select three courses from the following:

- ENGL 4720 American Short Story
- MUSI 3300 Music Today
- VISU 3050 American Art
- COMM 2100 Media and Culture
- SOCI 2000 Introduction to Sociology

### Minor in Gender and Ethnic Studies

The Gender & Ethnic Studies minor offers students an interdisciplinary understanding of the role gender, ethnicity, and race plays in society and politics across historical periods and geographic areas using multiple academic perspectives.

To earn a minor in Gender & Ethnic Studies students will complete at least fifteen credit hours including at least three courses at the 3000 level or higher. While there are no prerequisites for the minor, individual course prerequisites do apply. Also, some of the courses may be taught as writing-intensive courses. Students must take at least one course from three different departments and may take no more than two



courses from the same department or program. Students must achieve a combined GPA of 2.0 in all minor courses to be awarded a minor in Gender & Ethnic Studies.

SOCI 2250 Human Sociology  
 INTL 2030 Hispanic Culture  
 INTL 2060 Asian Studies  
 COMM/INTL 3000 Intercultural Communication  
 SOCI 3050 Women & Culture  
 SOCI 3070 Sociology of Gender  
 VISU 3070 Women in the Arts  
 HIST 3090 African American History  
 ANTH 3120 North American Archaeology  
 COMM 3350 Communication & Gender  
 PSYC 3460 Psychology of Gender  
 PSYC 3470 Culture & Psychology  
 ECON 3500 Labor Economics  
 VISU 3650 Southern Art  
 POLS 3880 Gender & Politics  
 HIST 4030 History of Slavery  
 HIST 4040 African American Experience since Emancipation  
 JUST 4100 Women in Criminal Justice  
 SOCI 4100 Minority Groups  
 ENGL 4110 Multilingual Composition  
 JUST 4200 Comparative Criminal Justice System  
 HIST 4230 Women in Medieval Society  
 POLS 4400 Politics of Race & Immigration  
 SOCI 4400 Global Child Advocacy Issues  
 POLS 4500 Southern Politics  
 POLS 4600 Constitutional Law I (Civil Liberties & Rights)  
 ENGL 4620 Holocaust Literature  
 HIST 4640 South African History  
 HIST 4650 Racial Segregation in South Africa  
 ENGL 4750 Women & Literature  
 ENGL 4790 Ethnic Literature of the U.S.

Additional Special Topics courses may be taken with the approval of the Gender & Ethnic Studies Advisor/Coordinator.

### **Minor in Medieval Studies**

The medieval studies minor offers students an interdisciplinary understanding of Europe in the Middle Ages, conventionally defined as ca. 500 to ca. 1500, at an advanced undergraduate level.

A student with a minor in medieval studies will complete at least twelve credit hours consisting of four courses at the 3000-level or higher, two from English and two from History. The following courses count toward a minor in medieval studies; none, however, may also be used to satisfy the requirements for a student's major. The contact person for the minor is Professor Jan Bulman in the Department of History.

ENGL 4130 Monsters in Literature and Film  
 ENGL 4150 Medieval Literature  
 ENGL 4160 Chaucer  
 ENGL 4840 Studies in Literary Form (when on a medieval topic, as approved by the minor's contact person)  
 HIST 3230 Early Medieval Europe, 300-1000  
 HIST 3240 Medieval Europe, 1000-1500

- HIST 3620 The Crusades
- HIST 3970 Special Topics in History (when on a medieval topic, as approved by the minor’s contact person)
- HIST 4230 Women in Medieval Society
- HIST 4240 Magic and Witchcraft before 1700
- HIST 4310 The Renaissance
- HIST 4340 Medieval England
- HIST 4972 Advanced Special Topics in History (when on a medieval topic, as approved by the minor’s contact person).

Pre-Law

Students planning to attend law school must first obtain a bachelor’s degree in any major in this catalog. They are encouraged to major in one of the disciplines the American Bar Association recommends as inculcating a broad cultural background, habits of intellectual curiosity and scholarship, the ability to organize materials and communicate the results and verbal skills. A survey of Bench and Bar lists these courses of study: English language and literature, political science, economics, American history, mathematics, English history, Latin, logic and scientific methods and philosophy.

Most law schools do not prescribe any particular curriculum of pre-law study but normally require as a condition for admission that the applicant has successfully completed the following undergraduate work or its equivalent:

|                                                                                   |   |
|-----------------------------------------------------------------------------------|---|
| English Composition (ENGL 1010 and ENGL 1020).....                                | 6 |
| English or American Literature (ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580) ..... | 6 |
| American History (HIST 2010 and HIST 2020) .....                                  | 6 |
| Political Science (POLS 2020 and POLS 2030) .....                                 | 6 |
| Principles of Economics (ECON 2010 and ECON 2020) .....                           | 6 |

Additional recommended courses are English language and literature, mathematics, English history, philosophy (especially logic), psychology, sociology, foreign languages, justice and public safety, accounting, computer science and public speaking.



# College of Nursing and Health Sciences

Dr. Jean D'Meza Leuner, Dean

## Faculty:

### School of Nursing:

Professors All, Leuner (Dean), and Rhodes

Associate Professor Freeman (Graduate Coordinator)

Assistant Professors Caldwell (FNP Coordinator), Cochran (Undergraduate Coordinator), Colvin, Henderson, Sellers, and Thomas

Assistant Clinical Professors Burton (Nursing Resource Center Coordinator), Justice, Langham, and Miller  
Lecturer Williams

### Medical and Clinical Laboratory Science:

Professor Taylor (Department Head and Program Director)

Associate Professors Jones and Qian

Assistant Professor Dugan

### Communication Disorders:

Ashley Miles Godwin, Department Head and Clinic Director

Assistant Professor Beard

Assistant Clinical Professor Fulford and Presley

## School of Nursing

The School of Nursing was established in 1978 and its first class was admitted in 1979. The school has achieved prominence as an innovator in nursing education, responding to an ever changing population with complex health care needs. The faculty of the school embrace opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research and influence policy.

The mission of the School of Nursing supports the mission of Auburn University at Montgomery to provide quality and diverse educational opportunities at the undergraduate and graduate levels. Faculty are committed to providing a scientifically, evidence-based nursing education in an interprofessional environment. Graduates will be prepared to provide excellent nursing practice through life-long learning, leadership, service, scholarship, and outreach for a global society.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has two tracks: traditional and RN to BSN, also called the Educational Advancement for Registered Nurses (EARN). The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance as well as preparation for leadership roles. Upon successful completion of the program, graduates from the traditional BSN track may apply to the state Board of Nursing to take the National Council Licensure Examination for Registered Nurses. All BSN graduates are prepared to pursue graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN degree. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the School of Nursing for specifics on the RN to BSN program. Courses are online or offered in partnership with select hospital partners.

## Accreditation

The baccalaureate degree program in nursing at Auburn University at Montgomery is accredited by the Commission on Collegiate Nursing Education (<http://www.ccnaccreditation.org>).

The BSN Program is approved by the Alabama Board of Nursing. All programs are limited access; the BSN requires a separate application to the AUM School of Nursing.

## General Requirements for the Bachelor's Degree

### Traditional BSN Program

Programs in the School of Nursing are upper division, limited access programs. Acceptance by or registration at the university does not constitute admission to the School of Nursing. Application must be made to the appropriate program in Nursing. You are encouraged to visit the College of Nursing and Health Sciences' website: [www.nursing.aum.edu](http://www.nursing.aum.edu).

| Lower Division - Traditional BSN Curriculum                                                                                                                                                                                                               | Semester Hours |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| UNIV 1000 University Success <sup>1</sup> .....                                                                                                                                                                                                           | 3              |
| <b>AREA I (2 courses, 6 hours)</b>                                                                                                                                                                                                                        |                |
| ENGL 1010 English Composition I.....                                                                                                                                                                                                                      | 3              |
| ENGL 1020 English Composition II.....                                                                                                                                                                                                                     | 3              |
| <b>AREA II (4 courses, 12 hours)</b>                                                                                                                                                                                                                      |                |
| Literature I (ENGL 2530 English Lit. I or ENGL 2570 American Lit. I or ENGL 2600 World Lit. I) <sup>2</sup> * OR<br>Literature II (in sequence: ENGL 2540 English Lit II OR ENGL 2580 American Lit II OR<br>ENGL 2610 World Lit. II) <sup>2</sup> * ..... | 3              |
| Fine Arts (MUSI 2110 OR VISU 1000 OR THEA 2040 OR VISU 2600).....                                                                                                                                                                                         | 3              |
| PHIL 2100 Applied Ethics .....                                                                                                                                                                                                                            | 3              |
| 2nd Literature OR Area II elective .....                                                                                                                                                                                                                  | 3              |
| <b>AREA III (3 courses, 11 hours)</b>                                                                                                                                                                                                                     |                |
| MATH 1100 Finite Mathematics <sup>3</sup> * .....                                                                                                                                                                                                         | 3              |
| BIOL 1010 and 1011 Cellular and Molecular Basis of Life and Lab .....                                                                                                                                                                                     | 4              |
| PSCI 1500 and 1501 Introduction to Chemistry and Lab.....                                                                                                                                                                                                 | 4              |
| <b>AREA IV (4 courses, 12 hours)</b>                                                                                                                                                                                                                      |                |
| HIST 1010/1020 World History I or II OR<br>HIST 1060/1070 Western Civilization I or II OR<br>HIST 2010/2020 American History I or II <sup>4</sup> * .....                                                                                                 | 3              |
| Area IV elective .....                                                                                                                                                                                                                                    | 3              |
| PSYC 2110 General Introductory Psychology .....                                                                                                                                                                                                           | 3              |
| Second History OR Second Area IV elective .....                                                                                                                                                                                                           | 3              |
| <b>AREA V (5 courses, 18 hours)</b>                                                                                                                                                                                                                       |                |
| BIOL 3010 and 3011 Microbiology and Lab .....                                                                                                                                                                                                             | 4              |
| BIOL 2100 and 2101 Anatomy and Physiology I and Lab .....                                                                                                                                                                                                 | 4              |
| BIOL 2110 and 2111 Anatomy and Physiology II and Lab .....                                                                                                                                                                                                | 4              |
| MATH 2670 Elementary Statistics .....                                                                                                                                                                                                                     | 3              |
| PSYC 3780 Developmental Psychology.....                                                                                                                                                                                                                   | 3              |
| <b>Total Lower Division - Traditional Program.....</b>                                                                                                                                                                                                    | <b>59-62</b>   |

<sup>1</sup> Required for new freshmen, for transfer freshmen, for returning freshman and for transfer students with GPA of 2.2 or below, who will begin taking courses at AUM in Fall 2013 or later).

<sup>2</sup> These courses must be sequenced, for example American Literature I and II. (If a history sequence has already been completed, an Area II elective may be substituted for one Literature course. Area II elective courses must be chosen from those listed on the AGSC approved lists: <http://stars.troy.edu/stars/CRSLISTS/AUM-a.htm> for Auburn Montgomery courses, <http://stars.troy.edu/stars/CRSLISTS/2yr-a.htm> for community college courses.) If a sequence has not yet been completed, the Literature sequence is recommended to avoid taking an additional course.

<sup>3</sup> Another Area III approved math course such as Pre-Calculus Algebra or Pre-Calculus with Algebra & Trigonometry, etc.,



is also accepted.

<sup>4</sup> Only one History course is required. If a History sequence has already been completed (i.e., World History I and II), a Literature sequence is not necessary, and an Area II elective may be substituted for the second Literature course. (See 2 above.) Four courses are still required in Area II, and in Area IV.

\*Not required of a student with a previous Bachelor's degree.

## RN to BSN Track

The RN to BSN or Educational Advancement for Registered Nurses (EARN) is designed for registered nurses who desire to return to school to obtain a baccalaureate of science degree in nursing. Each applicant is reviewed individually and guided to prevent repetition of coursework. Contact the RN to BSN advisor for specific details regarding the program. The curriculum is delivered totally online or hybrid for select nursing partners.

Course content is designed to build on students' knowledge obtained through basic education and work experience.

| Lower Division Curriculum - RN to BSN Program                                                                                                                                                                                            | Semester Hours |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>AREA 1 (2 courses 6 hours)</b>                                                                                                                                                                                                        |                |
| ENGL 1010 English Composition I.....                                                                                                                                                                                                     | 3              |
| ENGL 1020 English Composition II.....                                                                                                                                                                                                    | 3              |
| <b>AREA II (4 courses, 12 hours)</b>                                                                                                                                                                                                     |                |
| (ENGL 2530 English Lit. I or ENGL 2570 American Lit. I or ENGL 2600 World Lit. I) <sup>2</sup> * OR Literature II<br>(in sequence: ENGL 2540 English Lit II OR ENGL 2580 American Lit II OR ENGL 2610 World Lit. II) <sup>2</sup> * .... | 3              |
| A second literature OR An Area II Elective <sup>1</sup> .....                                                                                                                                                                            | 3              |
| Fine Arts (MUSI 2110 OR VISU 1000 OR THEA 2040 OR VISU 2600).....                                                                                                                                                                        | 3              |
| A second Area II Elective <sup>2</sup> .....                                                                                                                                                                                             | 3              |
| <b>AREA III (3 courses, 11 hours)</b>                                                                                                                                                                                                    |                |
| MATH 1100 Finite Math, MATH 1120 Pre-Calculus or higher <sup>3</sup> .....                                                                                                                                                               | 3              |
| BIOL 1010 and 1011 Cellular and Molecular Basis of Life and Lab <sup>3</sup> OR<br>PSCI 1500 and 1501 Introduction to Chemistry and Lab <sup>3</sup> .....                                                                               | 4              |
| Other Approved Biology Course with Lab .....                                                                                                                                                                                             | 4              |
| <b>AREA IV (4 courses, 12 hours)</b>                                                                                                                                                                                                     |                |
| HIST 1010/1020 World History I or II OR HIST 1060/1070 Western Civilization I or II OR HIST<br>2010/2020 American History I or II <sup>1</sup> .....                                                                                     | 3              |
| PSYC 2110 General Introductory Psychology <sup>3</sup> .....                                                                                                                                                                             | 3              |
| Area IV Elective <sup>2</sup> .....                                                                                                                                                                                                      | 3              |
| A second Area IV Elective <sup>2</sup> .....                                                                                                                                                                                             | 3              |
| <b>AREA V (4 courses, 15 hours)</b>                                                                                                                                                                                                      |                |
| BIOL 2100 and 2101 Anatomy and Physiology I and Lab <sup>3</sup> .....                                                                                                                                                                   | 4              |
| BIOL 2110 and 2111 Anatomy and Physiology II and Lab <sup>3</sup> .....                                                                                                                                                                  | 4              |
| BIOL 3010 and 3011 Microbiology and Lab <sup>3</sup> .....                                                                                                                                                                               | 4              |
| A Statistics Course <sup>3</sup> .....                                                                                                                                                                                                   | 3              |
| <b>Total Lower Division - EARN Program .....</b>                                                                                                                                                                                         | <b>56</b>      |

<sup>1</sup> A sequence is required in either Literature or History (e.g., American literature I AND II). Area II requires one Literature, one Fine Arts and two other Area II approved courses for a total of 4 courses. Area IV requires one History, one Psychology, and two Area IV approved courses for a total of 4 courses.

<sup>2</sup> Area II and IV courses must be chosen from those listed on the AGSC approved course lists: [http://stars.troy.edu/stars/C\\_RSLISTS/Aum-a.htm](http://stars.troy.edu/stars/C_RSLISTS/Aum-a.htm) for AUM courses, <http://stars.troy.edu/stars/CRSLISTS/2yr-a.htm> for community college courses.

<sup>3</sup> These are the only courses required for EARN students with a previous Bachelor's Degree.

## Admission to the School of Nursing

Admission of new freshmen pre-nursing students will be in accordance with general university admission standards. Continuing, transfer, and change of major students must meet the unadjusted GPA standards below to be admitted to or to remain in the pre-nursing major:

- Students must earn a minimum 2.0 GPA on 15-29 hours of pre-nursing credit.
- Students must earn a minimum 2.5 GPA on 30 or greater hours of pre-nursing credit.

## Application Information for the traditional BSN Program:

1. Before applying to the School of Nursing, Apply to Auburn University at Montgomery
2. Full admission to AUM and to the pre-nursing major are required to be eligible for application to the School of Nursing.
3. Submit the required School of Nursing application found on the Nursing website. There are two entry options: fall and spring.
4. Submission of Test of Essential Academic Skills (TEAS) score of 73% or higher OR a composite ACT score of 23 or higher.
5. Successful completion (grades of "C" or better) of at least 3 of the 5 lab science courses at the time of application.
6. Successful completion (grades of "C" or better) of Anatomy and Physiology I and II within 5 years of nursing entry or a retake is required.
7. Successful completion (grades of "C" or better) of at least one of the required pre-nursing math courses.
8. GPA based solely on pre-nursing coursework of at least 2.500 (Unadjusted and without rounding) at the time of application. Grades are counted each time a course is taken; grade adjustments (forgiveness) are not considered.
9. Successful completion of an interview with nursing faculty and leaders from the local community, if offered.

Students must possess the functional ability to perform the skills and behaviors required of a professional nurse. These abilities include but are not limited to:

1. Adequate vision, such as that required to observe changes in physical conditions, to read small print on labels and markings on syringes and to discern subtle changes in color;
2. Adequate hearing, such as that required to distinguish muted sounds through a stethoscope;
3. Fine motor skills and manual dexterity, such as that required to handle small, delicate equipment;
4. Strength to turn and assist with lifting adults and to lift and carry children;
5. The mobility to respond quickly in emergency situations;
6. The ability to communicate and interact effectively with others orally and in writing;
7. The ability to detect odors; and
8. The ability to read independently and to comprehend the written word.

The number of students who can be admitted to the upper division clinical courses is determined by the availability of clinical practice sites and faculty to teach in these areas. Admission occurs twice per year; upper division nursing courses begin in the fall and spring semesters.

Applications for fall admission to the upper division become available on the School of Nursing website January 1 and the deadline for application submission is March 1.

For the group entering in the spring semester, applications become available August 1 and the deadline for return is October 1. All applicants must have achieved university admission to be considered for entry to the School of Nursing.

Students are required to have pre-clinical drug screenings and background checks processed through the approved vendor.



## RN to BSN Program

To be considered for admission to the RN to BSN program in the School of Nursing, students must meet the following criteria:

- University admission to Auburn Montgomery
- A grade of "C" or greater in English Composition II, core math, and no more than six outstanding pre-requisites. All core courses require a grade of C or higher.
- GPA of 2.5 or higher on a 4.0 scale
- Completion and submission of a School of Nursing RN to BSN Application
- Current, unencumbered RN licensure by the Board of Nursing
- Current physical examination, BLS certification, immunizations, and 2-step TB skin test
- Current health insurance
- Computer proficiency - the ability to operate a computer and to understand basic computer language, including a functional level of knowledge and skills related to Word, Excel, and PowerPoint; and the ability to navigate the Web, Web CT, Blackboard, and Outlook e-mail.

## Progression Through the Program

All students enrolled in upper division nursing courses must receive a grade of C or above in order to progress in the nursing program. A satisfactory clinical grade is required to pass nursing courses with laboratory components. Students must maintain the skills and behaviors required for professional nursing (see Admission to the School of Nursing section above), including the ability to engage in critical thinking, in order to make safe and ethical clinical decisions. Students who receive a grade of D or F in a nursing course have one opportunity to repeat that course at the time of the next course offering.

Students who have failed one course will meet with an advisor to develop a specific plan prior to re-entering the program. Students who are eligible to continue in the program but have been out of upper division studies for more than one calendar year may be required to reapply for admission and repeat all upper division course work. Students who receive a D or F in two nursing courses may not continue in upper division course work. [Calendars for upper division nursing courses may not correspond with the calendars published for university courses.]

Course prerequisites must be completed as outlined in the AUM Undergraduate Catalog. The upper division courses must be taken in a specified sequence.

## Traditional BSN Curriculum

This is a sample program of studies. Actual course schedules will vary depending on the semester of admission to the Upper Division Nursing Program.

| First Semester (14 credit hours)                                    | Semester Hours |
|---------------------------------------------------------------------|----------------|
| NURS 3900 Clinical Calculations.....                                | 1,0,0*         |
| NURS 3111 Fundamentals of Professional Nursing .....                | 3,1,1          |
| NURS 3120 Nursing Pathophysiology .....                             | 3,0,0          |
| NURS 3131 Assessment for Professional Nursing .....                 | 2,1,2          |
| Second semester (13 credit hours)                                   |                |
| NURS 3150 Evidence Based Practice .....                             | 3,0,0          |
| NURS 3210 Clinical Pharmacology .....                               | 3,0,0          |
| NURS 3221 Nursing Care of Adult I .....                             | 3,1,3          |
| Third Semester (10 credit hours)                                    |                |
| NURS 4150 Informatics .....                                         | 3,0,0          |
| NURS 4251 Nursing Care of Pediatric Patient & Support Network ..... | 3,0,1          |
| NURS 4241 Nursing Care of the Childbearing Family .....             | 2,0,1          |

**Fourth semester (14 credit hours)**

|                                                 |       |
|-------------------------------------------------|-------|
| NURS 4331 Mental Health Nursing .....           | 3,0,1 |
| NURS 4261 Community/Public Health Nursing ..... | 3,0,1 |
| NURS 4371 Nursing Care of Adult II .....        | 4,0,2 |

**Fifth semester (13 credit hours)**

|                                                  |       |
|--------------------------------------------------|-------|
| NURS 4411 Critical Care .....                    | 3,0,0 |
| NURS 4430 Nursing Leadership and Management..... | 3,0,0 |
| NURS 4431 Transition to Practice.....            | 3,0,4 |

\*(theory hours, lab hours, clinical hours)

Theory course hour ratio is 1:1

Lab/Clinical hour ratio is 1:3

Total Upper Division ..... 64

**Upper Division Curriculum - EARN Program****Semester Hours**

|                                                                                    |       |
|------------------------------------------------------------------------------------|-------|
| NURS 4110 Transformation to the Professional Nurse Role <sup>1</sup> .....         | 4,0,0 |
| NURS 4140 Population-Based Healthcare.....                                         | 4,0,0 |
| NURS 4220 Informatics and Evidence Based Practice for the Professional Nurse ..... | 3,0,0 |
| NURS 4260 Pathophysiology and Physical Assessment for the Professional Nurse.....  | 3,0,0 |
| NURS 4270 Rural Health and Special Populations.....                                | 3,0,1 |
| NURS 4160 Health Policy and Ethics for the Professional Nurse .....                | 3,0,0 |
| NURS 4310 Health Systems Leadership .....                                          | 4,0,0 |
| NURS 4311 Leadership Immersion .....                                               | 4,0,1 |
| Total Upper Division - EARN Program.....                                           | 30    |

<sup>1</sup> NURS 4110 must be the first course taken. Upon successful completion of the course with a grade of C or higher, 37 semester hours of nursing credit will be awarded.

These hours are not included in the 50 hours of actual course work which must be taken at AUM to be eligible for honors at graduation.

**Medical Laboratory Science**

The Medical Laboratory Science (MLS) program is designed to provide students with a background in clinical laboratory science theories and methods. The skills and experiences in this program will prepare students with competencies necessary to work in a clinical laboratory environment. While most graduates are employed in clinical laboratories, other employment opportunities are also available. These opportunities include laboratory positions in research, public health and industry.

Other opportunities include positions as sales or technical representatives with pharmaceutical companies or companies associated with laboratory supplies and/or instrumentation. This program also prepares students for graduate and professional schools.

The Medical Laboratory Science program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 North River Road, Suite 720, Rosemont, IL. 60018-5119; 773-714-8880; (fax) 773-714-8886; [www.naacls.org](http://www.naacls.org); or [info@naacls.org](mailto:info@naacls.org).

The program is organized in a 2+2 format, consisting of a two-year pre-professional phase and a two-year professional phase. The pre-professional phase consists of general preparation in math, science and liberal arts. The professional phase consists of preparation in clinical chemistry, methods of drug analysis, instrumentation, microbiology (bacteriology, parasitology, mycology), hematology, immunology, immunohematology, serology, urinalysis and body fluids, laboratory management and education and computer based analysis. Upon successful completion of the program, students receive the Bachelor of Science in Medical Laboratory Science and become eligible to take national certification examinations. The Medical Laboratory Science program is offered in a traditional on-campus format and an online format. The online format is a distance learning format designed for certified clinical/medical laboratory technicians



who have prior clinical laboratory experience with modern laboratory instrumentation and military laboratory personnel who have completed military medical laboratory specialist school and have laboratory experience with modern clinical laboratory instrumentation.

Entry into the professional phase of the program involves a formal application by the candidate. Enrollment in this phase is limited based on available resources both on campus and in affiliated clinical facilities. When the number of qualified applicants exceeds the enrollment capacity, selection will be based on cumulative GPA. Application forms and student handbooks are available from the program director.

The student handbook includes specific criteria for acceptance into the program and essential requirements necessary to complete the program. To be eligible for admission to the professional phase, candidates must complete all pre-professional requirements prior to beginning the professional phase of the program. Candidates must have a cumulative GPA of 2.0 or higher, minimum grade of C in all science and math course required. Candidates must acknowledge their belief that they can achieve the technical standards described in the student handbook for the MLS program. These standards are considered essential for the clinical laboratory profession. The last 26 weeks of the traditional on-campus program are spent in clinical practice at an affiliated clinical laboratory followed by a two-week comprehensive review session in preparation for national boards. The calendar during this period varies significantly from the normal university calendar. Students are typically assigned to one clinical facility for the complete 24-week period, with courses meeting Monday through Friday during this time. Students in the online program complete their clinical experience concurrently with their didactic course work. Clinical affiliates include, but are not limited to, the following:

Baptist Health (Montgomery, AL)  
 Central Alabama Veterans Health Care System (Montgomery, AL)  
 Columbus Regional Medical Center (Columbus, GA)  
 East Alabama Medical Center (Opelika, AL)  
 Flowers Hospital (Dothan, AL)  
 Grandview Hospital (Birmingham, AL)  
 Huntsville Hospital (Huntsville, AL)  
 Jackson Hospital (Montgomery, AL)  
 Mayo Clinic (Jacksonville, FL)  
 Russell Medical Center (Alex City, AL)  
 Southeast Alabama Medical Center (Dothan, AL)  
 Spring Hill Hospital (Mobile, AL)  
 Vaughan Regional Medical Center (Selma, AL)

## Curriculum

The Medical Laboratory Science program requires the successful completion of 140 semester hours of course work and clinical training for graduation. This program can be completed in 10 semesters over a four-calendar-year period that includes summer semesters of the junior and senior years. Please note that the sequence of pre-professional science courses requires careful planning. Students are required to consult a MLS advisor each semester during the pre-professional phase.

| Pre-Professional Phase                                      | Semester Hours |
|-------------------------------------------------------------|----------------|
| (On campus and online)                                      |                |
| Area I. Written Composition .....                           | 6              |
| English Composition (ENGL 1010 and 1020) <sup>1</sup> ..... | 6              |
| Area II. Humanities and Fine Arts .....                     | 12             |
| Literature <sup>2</sup> .....                               | 3              |
| Fine Arts .....                                             | 3              |
| Public Speaking (COMM 2212) .....                           | 3              |
| Elective <sup>2</sup> .....                                 | 3              |

|                                                                         |    |
|-------------------------------------------------------------------------|----|
| Area III. Natural Sciences and Mathematics <sup>3</sup> .....           | 11 |
| Precalculus, Algebra and Trigonometry (MATH 1150) .....                 | 4  |
| General Chemistry (CHEM 1100/1101, 1200/1201).....                      | 8  |
| Area IV. History, Social and Behavioral Sciences .....                  | 12 |
| History <sup>2</sup> .....                                              | 3  |
| Electives <sup>2</sup> .....                                            | 9  |
| UNIV 1000 .....                                                         | 3  |
| Area V. Pre-Professional, Major and Elective Courses <sup>3</sup> ..... | 19 |
| BIO Statistics (BIOL 2200) <sup>4</sup> .....                           | 3  |
| Survey of Organic Chemistry (CHEM 2300/2301).....                       | 4  |
| Cellular and Molecular Basis of Life w/ Lab (BIOL 1010/1011).....       | 4  |
| Microbiology (BIOL 3010/3011).....                                      | 4  |
| Human Anatomy and Physiology II (BIOL 2110/2111).....                   | 4  |
| Total .....                                                             | 66 |

<sup>1</sup> A grade of C or better is required for each course.

<sup>2</sup> A 6-semester hour sequence either in literature or in history is required. If a second literature is chosen, it will apply as the 3 elective hours in Area II. If a second history is chosen, it will apply as 3 of the elective hours in Area IV.

<sup>3</sup> A grade of C or better is required in each science and math course listed.

<sup>4</sup> Survey of Computers (CSCI 1000) and Statistics (MATH 2670) can be substituted for BIOL 2200 for Area V.

### Campus Professional Phase<sup>1</sup> (74 semester hours)

### Semester Hours

#### First Year

|                                                      |   |
|------------------------------------------------------|---|
| CLLS 3013 Laboratory Techniques .....                | 4 |
| CLLS 3103 Immunology and Serology .....              | 4 |
| CLLS 3153 Immunohematology I .....                   | 3 |
| CLLS 3203 Urinalysis and Body Fluids .....           | 3 |
| CLLS 3243 Clinical Hematology I.....                 | 3 |
| CLLS 3253 Clinical Hematology II.....                | 3 |
| CLLS 3303 Clinical Microbiology I.....               | 3 |
| CLLS 3313 Clinical Microbiology II.....              | 4 |
| CLLS 3353 Clinical Parasitology and Mycology I ..... | 3 |
| CLLS 3403 Clinical Instrumentation I .....           | 4 |
| CLLS 3433 Methods of Drug Analysis.....              | 4 |
| CLLS 3443 Clinical Chemistry I.....                  | 4 |

#### Second Year

|                                                          |   |
|----------------------------------------------------------|---|
| CLLS 4040 Comprehensive Review.....                      | 1 |
| CLLS 4054 Phlebotomy .....                               | 1 |
| CLLS 4080 Laboratory Management and Education (WI) ..... | 3 |
| CLLS 4114 Clinical Serology.....                         | 1 |
| CLLS 4163 Clinical Immunohematology II .....             | 3 |
| CLLS 4174 Clinical Immunohematology III .....            | 2 |
| CLLS 4214 Clinical Urinalysis.....                       | 1 |
| CLLS 4263 Clinical Hematology III .....                  | 4 |
| CLLS 4274 Clinical Hematology IV .....                   | 3 |
| CLLS 4323 Clinical Microbiology III.....                 | 4 |
| CLLS 4334 Clinical Microbiology IV .....                 | 3 |
| CLLS 4364 Clinical Parasitology and Mycology II .....    | 1 |
| CLLS 4453 Clinical Chemistry II .....                    | 4 |
| CLLS 4463 Clinical Chemistry III .....                   | 2 |
| CLLS 4474 Clinical Chemistry IV .....                    | 3 |

<sup>1</sup> A grade of C or better is required for each professional phase course.



| Online Professional Phase <sup>1</sup> (57 semester hours)   | Semester Hours |
|--------------------------------------------------------------|----------------|
| <b>First Year</b>                                            |                |
| CLLS 3013 Laboratory Techniques .....                        | 4              |
| CLLS 3103 Immunology and Serology .....                      | 4              |
| CLLS 3203 Urinalysis and Body Fluids .....                   | 3              |
| CLLS 3243 Clinical Hematology I.....                         | 3              |
| CLLS 3253 Clinical Hematology II.....                        | 3              |
| CLLS 3353 Clinical Parasitology and Mycology I .....         | 3              |
| CLLS 3443 Clinical Chemistry I.....                          | 4              |
| CLLS 4080 (WI) Laboratory Management and Education .....     | 3              |
| CLLS 4453 Clinical Chemistry II .....                        | 4              |
| <b>Second Year</b>                                           |                |
| CLLS 3153 Immunohematology I .....                           | 3              |
| CLLS 3303 Clinical Microbiology I.....                       | 3              |
| CLLS 3313 Clinical Microbiology II.....                      | 4              |
| CLLS 3503 Perspectives in Clinical Laboratory Sciences ..... | 4              |
| CLLS 4040 Comprehensive Review.....                          | 1              |
| CLLS 4163 Clinical Immunohematology II .....                 | 3              |
| CLLS 4263 Clinical Hematology III .....                      | 4              |
| CLLS 4323 Clinical Microbiology III.....                     | 4              |
| CLLS 4463 Clinical Chemistry.....                            | 2              |
| <b>Total.....</b>                                            | <b>59</b>      |

<sup>1</sup> A grade of C or better is required for each professional phase course.

## Communication Disorders

### Admission to the Communication Disorders Program

Selection for admission into the Communication Disorders Program is based on the student's previous academic performance on courses approved by the State Articulation General Studies Committee for the State of Alabama Core Curriculum coursework. Any applicant who is not first a student at AUM must apply to the University. Upon acceptance to the University, students may then apply for admission to the Communication Disorders Program. Students must submit an application no later than June 1st to begin in the Fall semester. All materials in the application must arrive by the designated deadline. Applications will only be reviewed and considered if all materials are included. For the application, students must provide a completed and signed Application for Admission to the Communication Disorders Program, a copy of transcripts from all colleges and universities attended, and one letter of reference which should originate from an academic source. Advising transcripts are acceptable for the application and the letter of reference must be completed by individuals who are not related to the applicant. Transfer students must also submit evidence of acceptance to Auburn University at Montgomery (AUM). Applicants must also submit a sample of student writing, which should address the question of why the student would like to study speech-language pathology and audiology to become a practicing clinician and where he/she would like to be academically or vocationally in five years.

Students may apply for admission before all core curriculum and other requirements are completed, but may not enter the program until 50 of the 55 credit hours are finished. Students must have a 2.75 (on a 4.0 scale) cumulative grade point average (GPA) to apply to the Communication Disorders Program. A GPA of 2.75 does not guarantee acceptance. The number of students who can be admitted to the Program will be determined each semester based on the availability of clinical faculty resources. All applicants must meet the health, communication, and academic requirements, which are outlined under Requirements for Students. Accepted students will be notified in writing of admission and will be required to make an advising appointment in order to register for classes. All students will be given a plan of study upon the first advising appointment. Students are expected to purchase a copy of the student handbook and the most current copy of the Publication Manual of the American Psychological Association (APA manual) prior to the beginning of the first day of class.

Due to the nature of the profession, students must possess the ability to perform the skills and duties of a Speech-Language Pathologist or Audiologist. Students graduating from the Communication Disorders Program will have developed the following abilities in each area:

**Audiology:**

1. Conduct a pure tone sweep check audiometric screening according to the procedures recommended by the American Speech and Hearing Association (ASHA).
2. Conduct a pure tone air conduction audiometric test and screening audiometry using standard methods and procedures.
3. Interpret an audiogram.
4. Appropriately refer patients with questionable or abnormal audiometric findings to other professionals for follow-up services.

**Speech-Language Pathology:**

1. Use both quantitative and qualitative evaluation procedures.
2. Recognize client's strengths and weaknesses.
3. Develop goals and procedures which reflect the client's level of functioning.
4. Demonstrate the ability to change therapy goals based on client's performance.
5. Discriminate between correct and incorrect production of target responses.
6. Establish a reinforcement schedule.
7. Collect data and use the information to determine efficacy of treatment.
8. Counsel the client or family members of the client.
9. Write professional reports which indicate evaluation results or therapy progress.

Students will be required to sign a Program Requirement Agreement form, which states that students must meet these requirements throughout the course of the program. If a student is unable to meet these criteria, the student must withdraw from the Program until such time they are able to meet these requirements.

**Requirements for Students - Communication Disorders Program****Health Requirements**

1. Adequate vision such as that required to observe communication behavior, conduct speech, language and hearing assessment, and complete speech, language and hearing forms and reports.
2. Adequate hearing such as that required for independent communication in professional interactions (i.e., conduct speech, language and hearing evaluations and treatment, to provide education about these disorders and to interact appropriately in the classroom environment).
3. The student is required to provide evidence of a physical examination, which states that the student is free of communicable disease and is in good health overall, that is dated within one semester of entering the Program.
4. The student must be able to lift 35 pounds.

**Communication Requirements**

1. The student must demonstrate proficiency in the areas of reading and writing Standard American English as indicated by the following:
2. The student must have a grade point of 2.0 (on a 4.0 scale) or higher in ENGL 1010 and 1020 or its equivalent, along with ENGL 2530, 2570 or 2600 or its equivalent.
3. The student must have a grade point of 2.0 (on a 4.0 scale) or higher in COMM 1010 or its equivalent.
4. The student must pass the speech and hearing screening examinations administered by the Speech and Hearing Clinic personnel. In the event these examinations reveal any deficiency, recommendations for remediation procedures will be communicated to the student. These recommendations may include speech therapy or referral to a physician.



## Academic Requirements

1. The student must have completed a minimum of 50 of the 55 hours required in the Alabama State Core.
2. The student must have a minimum cumulative grade point average of 2.75 (on a 4.0 scale) on all work taken prior to admission to the Communication Disorders Program and have made normal progress toward degree completion as stated in the AUM Catalog.
3. The student must be in good standing at AUM or other regionally accredited institution.
4. The major and concentration coursework in this curriculum must be successfully completed within 12 semesters.
5. Any course grade below C in the student's major and within the concentration coursework is unacceptable for graduation and must be repeated.
6. Students who receive a D or F in any communication disorders course at AUM have one opportunity to repeat that course and the course must be repeated at AUM. Students who receive a D or F in any two communication disorders courses at AUM may not continue in the program unless one of the following exceptions applies.
  - a. The student provides the head of the Department of Communication Disorders with a statement and supporting documentation indicating that the grades of D or F were the result of a medical problem or other nonrecurring event or condition.
  - b. The student provides a signed statement describing the reason(s) for grades of D or F to the head of the Department of Communication Disorders. In addition, the student must obtain approval from the head of the Department of Communication Disorders and provide a written action plan for improving future performance.

Students who receive one more D or F in any communication disorders course at AUM may not continue in the program.

## Coursework in Lower Division

| Course Name                                                                                                                        | Semester Hours |
|------------------------------------------------------------------------------------------------------------------------------------|----------------|
| UNIV 1000 University Success <sup>1</sup> .....                                                                                    | 3              |
| AREA I (2 courses, 6 hours)                                                                                                        |                |
| ENGL 1010 English Composition I .....                                                                                              | 3              |
| ENGL 1020 English Composition II .....                                                                                             | 3              |
| AREA II (4 courses, 12 hours)                                                                                                      |                |
| Literature I (ENGL 2530 English Lit. I or ENGL 2570 American Lit. I or ENGL 2600 World Lit. I) <sup>2*</sup> .....                 | 3              |
| Literature II (in sequence: ENGL 2540 English Lit II OR ENGL 2580 American Lit II OR ENGL 2610 World Lit. II) <sup>2 *</sup> ..... | 3              |
| Fine Arts (MUSI 2110 OR VISU 1000 OR THEA 2040 OR VISU 2600).....                                                                  | 3              |
| PHIL 2100 Applied Ethics.....                                                                                                      | 3              |
| AREA III (3 courses, 11 hours)                                                                                                     |                |
| MATH 1100 Finite Mathematics <sup>3*</sup> .....                                                                                   | 3              |
| BIOL 1000 and 1001 Introduction to Biology and Lab.....                                                                            | 4              |
| PSCI 1500 and 1501 Introduction to Chemistry and Lab.....                                                                          | 4              |
| AREA IV (4 courses, 12 hours)                                                                                                      |                |
| HIST 1010/1020 World History I or II (recommended) OR                                                                              |                |
| HIST 1060/1070 Western Civilization I or II OR                                                                                     |                |
| HIST 2010/2020 American History I or II <sup>4*</sup> .....                                                                        | 3-6            |
| PSYC 2110 General Introductory Psychology .....                                                                                    | 3              |
| SOCI 2000 Introduction to Sociology .....                                                                                          | 3              |
| AREA V (see upper level coursework)                                                                                                |                |
| Statistics <sup>5</sup> .....                                                                                                      | 3              |
| Major Electives or Minor <sup>6</sup> .....                                                                                        | 12             |

<sup>1</sup> Required for new freshmen, for transfer freshmen, and for transfer students with GPA of 2.2 or below, who will begin taking courses at AUM in Fall 2013 or later).

<sup>2</sup> These courses must be sequenced, for example American Literature I and II. (If a history sequence has already been

completed, an Area II elective may be substituted for one Literature course. Area II elective courses must be chosen from those listed on the AGSC approved lists: <http://stars.troy.edu/stars/CRSLISTS/AUM-a.htm> for Auburn Montgomery courses, <http://stars.troy.edu/stars/CRSLISTS/2yr-a.htm> for community college courses.) If a sequence has not yet been completed, the Literature sequence is recommended to avoid taking an additional course.

<sup>3</sup> Finite Mathematics is recommended. Another Area III approved math course such as PreCalculus Algebra or PreCalculus with Algebra & Trigonometry, etc., is also accepted.

<sup>4</sup> Only one History course is required. If a History sequence has already been completed (i.e., World History I and II), a Literature sequence is not necessary, and an Area II elective may be substituted for the second Literature course. (See 2 above.) Four courses are still required in Area II, and in Area IV.

<sup>5</sup> Any course in statistics is acceptable

<sup>6</sup> Students must select four courses from the following: ANTH 3740, BIOL 2100/2101, BIOL 2110/2110, BIOL 2200, BIOL 2410, BIOL 3160, BIOL 3303, BIOL 4103, COMM 4903, COMM 3203, COMM 3213, ECHE 3100, ECHE 3200, FNDS 3760, FNDS 4050, FNDS 4400, FNDS 4500, FNDS 4600, FSE 2120, FSE 2140, FSE 4703, GERO 4400, GERO 4500, GERO 4700, GERO 4800, PSYC 2120, PSYC 3123, PSYC 3280, PSYC 3450, PSYC 3510, PSYC 3520, PSYC 3660, PSYC 3780, PSYC 4330, PSYC 4340, PSYC 4350, PSYC 4623, SCED 4000, SOCI 2010, SOCI 3250, 4300, SOCI 4400, SOCI 4450, SOCI 4500, SOCI 4700 or courses the advisor deems appropriate OR Students may earn a minor in Psychology by completing 18 credit hours from the following courses: PSYC 2110, PSYC 3123, PSYC 3280, PSYC 3450, PSYC 3510, PSYC 3520, PSYC 3660, PSYC 3780, PSYC 4330, PSYC 4340, PSYC 4350.

### Coursework in Upper Division

### Semester Hours

|                                                                         |   |
|-------------------------------------------------------------------------|---|
| CMDS 3400 Speech and Hearing Mechanism .....                            | 3 |
| CMDS 3500 Introduction to Communication Disorders .....                 | 3 |
| CMDS 4410 Phonetics .....                                               | 3 |
| CMDS 4500 Methods and Procedures .....                                  | 3 |
| CMDS 4510 Articulation and Phonological Development and Disorders ..... | 3 |
| CMDS 4520 Voice Disorders and Craniofacial Anomalies .....              | 3 |
| CMDS 4530 Language Development .....                                    | 3 |
| CMDS 4560 Speech and Hearing Science .....                              | 3 |
| CMDS 4570 Neurophysiological Aspects .....                              | 3 |
| CMDS 4580 WI Fluency Disorders .....                                    | 4 |
| CMDS 4590 Diagnosis and Clinical Management .....                       | 3 |
| CMDS 4600 Introduction to Audiology .....                               | 3 |
| CMDS 4601 Clinical Practicum I in Audiology .....                       | 1 |
| CMDS 4610 WI Writing for Speech Language Pathology and Audiology .....  | 4 |
| CMDS 4620 Aural Rehabilitation, Habilitation .....                      | 3 |
| CMDS 4621 Clinical Practicum II in Audiology .....                      | 1 |
| CMDS 4640 Language and Cognitive Disorders .....                        | 3 |
| CMDS 4911 Observations in Speech Pathology .....                        | 1 |
| CMDS 4914 Clinical Procedures in Speech .....                           | 6 |

## Speech and Hearing Clinic

Operated by the Department of Communication Disorders, the AUM Speech and Hearing Clinic is a comprehensive facility serving central Alabama. The clinic provides complete diagnostic and therapeutic services for children and adults with speech and hearing delays or difficulties. The Speech and Hearing Clinic benefits students in Communication Disorders by offering supervised clinical practicum hours working with individuals who display a wide range of communication disorders.

## Student Health Services

A primary care student health clinic is available to students at the Student Health Services Clinic in Irma B. Moore Hall, Room 102. For a nominal co-payment, students can be seen for problem-oriented visits by a certified registered nurse practitioner. Preventive health services, including health screening, physical examinations, immunizations, women's health examinations, contraceptive counseling and laboratory testing are available at reasonable rates. Regularly scheduled health education programs, distribution of



protective devices and health education materials are offered through the center.

The clinic is open during regularly scheduled university semester sessions for currently enrolled AUM students with a valid student I.D. The clinic hours are 8 a.m. to 5 p.m., Monday through Friday, and patients are seen from 8:15 a.m. to 4:30 p.m. Walk-ins are welcome; however, appointments are given priority and can be made by calling 334-244-3281. TDD users may call 334-244-3801.

Health insurance is highly recommended for all students attending AUM to cover accidents and emergency illnesses. Those students who are not covered under an insurance program are encouraged to participate in the voluntary low-cost student health insurance program available to enrolled AUM students. Additional information can be obtained from the Office of Student Affairs, 334-244-3620. TDD users may call 334-244-3801. Note: At this time, Student Health Services is able to accept cash, checks, and major credit cards (excluding American Express) as forms of payment.

# College of Sciences

Dr. Robert Granger, Dean

## Faculty:

### Biology and Environmental Sciences

Professors King, Okeke, Stine, and Ward (Chair)  
Associate Professors Aho, Haddix, Kroft, Thomson, and Winemiller  
Assistant Professors Costa, Grilliot, Ha, Koelling, O'Neill, and Stein  
Lecturers Danderson and Taliaferro  
Lab Coordinators Rogers and Schmaeman

### Chemistry

Professors Kim and Thomas  
Associate Professor Hutchison  
Assistant Professors Arnold (Chair), Ciesielski, Russell, and Si  
Lecturer S. Sahinoglu  
Lab Coordinator R. Richardson

### Mathematics and Computer Science

Professors Ragland, Underwood, Wang (Chair), and Wu  
Associate Professors Aga, Brown, Goddard (Assistant to Chair) Huang, and Lee  
Assistant Professors Dinc, T. Chen, Y. Chen, and Pape  
Lecturers Clark, Hand, McDonald, Moninski, Moore, Paulk, Valentine, and Warren

### Psychology

Professors LoBello, Ray, and Zachar  
Associate Professors Arms-Chavez (Chair), Carol, Harper, Mehta, Parenteau, and Tidwell

## Programs:

### Biology

Biology Health Sciences  
General Biology  
Molecular Biology  
Public Health and Microbiology

### Chemistry

Chemistry  
Chemistry/Health Sciences  
Chemistry/Professional

### Computer Science

### Environmental Science

Environmental Biology  
Environmental Chemistry  
Environmental Geographic Information Systems  
Environmental Health and Toxicology

### Geographical Information Systems

### Mathematics

Mathematics  
Mathematics Education  
Pre-Engineering

### Psychology



## College of Sciences

The College of Sciences offers students a traditional liberal education informed by the needs of the 21st century. The College develops students' ability to reason; to compute; to write and speak; to exercise a conscious aesthetic sensibility; and to do these things with clarity and precision. These capacities are a means to understanding the wider world and to attain the self-understanding that makes one free. The College is also rooted in Auburn University at Montgomery's land grant tradition of cultivating the larger society and so embraces a mission to bring these ideals to the community beyond its walls.

## General Considerations

A student who is undecided about his or her major will be classified as undeclared and will be advised by the Undeclared Major Advisor in the Office of Central Advising. Undeclared majors must choose a major by the completion of 41 semester hours of credit.

Several majors include well-developed courses of study, termed "options," "concentrations," or "emphases." Students should consult the list above, at the start of the College of Sciences' entry in this Catalog.

Courses are available that will enable students to meet all pre-professional requirements in medicine, dentistry, optometry, nursing, pharmacy, veterinary medicine, law, and engineering.

In all curricula within the College of Sciences, the major consists of a minimum of 36 hours (see departmental requirements), a minor of at least 12 hours (where required by the major) and sufficient electives to ensure the completion of a minimum of 120 semester hours of course work.

## Special Requirements for Majors

The university requires students to complete all courses identified in the major field of study with a cumulative GPA of at least 2.0 (C) and a grade of C or higher in each of the required university English composition courses. Since each department in the College of Sciences has specific requirements for its majors and since these requirements will vary significantly from one department to another, it is imperative that students consult their advisors. This advisor is responsible for working with the student to ensure his or her program meets departmental requirements. It is, however, the responsibility of all students to meet with their advisors on a regular basis and to fulfill all requirements for the degree.

## Pre-Health Sciences

Students planning to pursue careers in the health professions are collectively referred to as pre-health sciences students. Pre-health sciences at AUM includes students interested in attending undergraduate, graduate, or doctoral level programs in the health care field. Medicine, dentistry, optometry, pharmacy and veterinary medicine are just a few of the many programs available in healthcare, and the AUM pre-health sciences advisor works to prepare students for admission to whatever program they are interested in. Please contact 334-244-3969 for more information.

Pre-health sciences programs at AUM are designed to be pre-professional curricula and not degree programs in themselves. This allows students to graduate from AUM with an academic major that can provide alternative possibilities if career plans change. The most common choices of majors in the past have been biology, mathematics, and chemistry. However, as long as specific entrance requirements are met, professional schools have no preference for any particular academic major, and students can major in any degree program they choose. After a departmental classification has been chosen, the student must consult both the appropriate health sciences advisor and the departmental advisor prior to registering for courses. All pre-health students will be advised by the College's pre-health sciences advisor.

Most health professions programs have similar admission requirements, but each school has its own specific requirements for admission. Students should be aware of the specific requirements of the schools they intend to apply to and the prerequisites for required courses in these areas. In the majority of cases the following

suggested courses would be appropriate for the first two years of studies in any area of pre-health sciences:

- First Year: CHEM 1100/1101 and CHEM 1200/1201; two appropriate mathematics courses; ENGL 1010 and ENGL 1020; BIOL 1010/1011 or 1017/2018; and BIOL 1020/1021 or 1027/1028.
- Second Year: Two appropriate biology courses; CHEM 3100/3101 and CHEM 3200/3201; and PHYS 2100/2101 and PHYS 2200/2201

In every instance, it is strongly recommended that students attempt to complete the courses on which the professional school entrance examinations are based prior to the end of their junior year. Specific advice can be obtained from the pre-health sciences advisor.

AUM pre-health students have routinely been accepted to medical, dental, optometry, physician assistant and other health professions programs nationwide. Apart from a relatively high GPA obtained from normal course loads, professional schools require a consistent superior performance over a considerable period of time. In particular, most schools strongly discourage students from withdrawing from courses or avoiding English or laboratory courses by taking equivalency examinations. AUM's Health Professions Advisory Committee (HPAC) recommends premedical, pre-dental, and pre-optometry students for admission. Students will be most competitive for admission to pre-health programs when they maintain an above-average GPA (3.2 and above), participate in shadowing experiences, internships, or summer programs, and perform well on admissions tests. Students are encouraged to always have a "plan B" for their career goals should their pre-health plans change or their academic performance not meet competitive standards. Pre-health professions students maintain a rigorous course load, including many labs and extracurricular activities. This could pose a challenge to students who work full time or are limited in their class availability. Students who fall significantly below a 3.2 GPA at the end of the sophomore year should seriously consider another curriculum or accept a low chance of success in gaining admittance to the professional school. Students returning to college are expected to complete several semesters of normal pre-health course work before applying to health professions schools.

If a degree was not completed prior to admission to a professional program, upon successful completion of the first year in a doctoral program in medicine, dentistry, optometry or veterinary medicine, up to 27 hours of credit may be applied towards a baccalaureate degree at AUM, subject to the approval of the dean for the degree area involved.

Pre-professional preparation for allied health disciplines such as physical/occupational therapy, physician assistant, radiologic sciences, public health and nutrition science are also available. Two to four years of preclinical study are required by professional schools, but most students will be more competitive having completed their undergraduate degree. Although advisors at AUM will provide as much assistance as possible, students are responsible for knowing and meeting entrance requirements for specific professional schools by the appropriate deadlines.

Since other requirements must be met, completion of these courses does not ensure admission. Interested students should consult their advisor, preferably no later than their junior year, and should examine the requirements of the specific school they wish to attend to identify the needed curriculum.



## Biology Major

Students interested in biology as a major currently have four distinct concentrations in planning their course work:

Biology Health Science  
General Biology  
Molecular Biology  
Public Health and Microbiology

In each of these concentrations, the student is required to complete courses in the university core, biology, related science areas and electives. Each concentration requires a different assemblage of science and non-science courses. The Biology and Environmental Science Department should be contacted for a current listing of courses required to complete a specific concentration and for additional concentrations that may become available.

The above concentrations prepare students for careers in the health field, environment, biotechnology and for employment in a number of jobs in government and industry. These concentrations are also preparatory for competitive admission to professional programs and graduate schools. Students interested in careers in health fields should also see Pre-Health Sciences above.

### Requirements for the Biology Major

| AUM Core Curriculum                                                                                                                        | Semester Hours |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Refer to the University Core for specific requirements.....                                                                                | 52             |
| Area I. Written Composition .....                                                                                                          | 6              |
| University Success .....                                                                                                                   | 3              |
| Area II. Humanities and Fine Arts.....                                                                                                     | minimum of 12  |
| One of the courses must be a University core communication course (Introduction to Human Communication or Public Speaking) <sup>1</sup>    |                |
| Area III. Natural Science and Mathematics .....                                                                                            | minimum of 11  |
| Cellular and Molecular Basis of Life AND Organisms, Adaptations, and the Environment with laboratories.....                                | 8              |
| Mathematics .....                                                                                                                          | minimum of 3   |
| Area IV. History, Social Sciences and Behavioral Sciences .....                                                                            | minimum of 12  |
| Total Hours for Core Courses.....                                                                                                          | minimum of 52  |
| Area V. Biology and Support Courses <sup>2</sup> .....                                                                                     | 79             |
| Chemistry Courses .....                                                                                                                    | 20             |
| Biostatistics .....                                                                                                                        | 3              |
| Genetics, Microbiology, Capstone Biology .....                                                                                             | 11             |
| Writing intensive biology course in addition to capstone biology.....                                                                      | 4              |
| Calculus - for BIHS, BIMB, and BIGN .....                                                                                                  | 4              |
| Physics Courses - for BIHS, BIMB and BIGN.....                                                                                             | 8              |
| Junior and Senior level biology specific course requirements and choices are controlled by the concentration. Please see your advisor..... | 28-40          |
| Total Minimum Number of Hours .....                                                                                                        | 120            |

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Contact Department of Biology and Environmental Science for specific course listings or see index in back of catalog.

Biology students enrolled at AUM may take marine biology courses at the Dauphin Island Sea Lab in Mobile, Ala. For further details, consult the section that follows entitled Marine Biology Environmental Sciences Consortium.

## Minors in Biology

The Department of Biology and Environmental Science offers 3 minors: Biology, Beer, Wine, and Food Fermentation, and Nutrition. The Biology minor requires 4 courses in addition to the freshman biology series (BIOL 1010/1011 and 1020/1021). One of the course must be at the 3000 or 4000 level.

Beer, Wine, and Food Fermentation is offered with the help of the Department of Kinesiology and requires a combination of Biology and Management courses. Pre-requisites include an introductory Biology course and Microbiology. An internship at a local winery or brewery is required in addition to the following courses:

BIOL 4050/4051 or BIOL 4053 (Industrial Microbiology)  
 BIOL 4040/4041 Beer, Wine, and Food Fermentation  
 BIOL 4924 Beer or Wine making Internship  
 PHED 4370 Sports Sales and Promotion  
 PHED 4330 Sports Marketing  
 PHED 4360 Sports Finance

Nutrition is also offered with the help of the Department of Kinesiology and requires a combination of Biology and Nutrition courses. The following courses re required:

BIOL 2000 Nutrition  
 PHED 4210 Nutrition Assessments  
 PHED 4220 Lifecycle and Community Nutrition  
 PHED 4240 Metabolism and Function of Nutrients I  
 PHED 4280 Metabolism and Function of Nutrients II

## Chemistry Major

The Chemistry major has three options, Chemistry, Chemistry/Professional, and Chemistry/Health Sciences. The Chemistry major is designed for students who wish to work in government or private laboratories. The Chemistry/Professional option is designed for students who wish further preparation for a career in Chemistry, or who wish to pursue graduate education in Chemistry. The Chemistry/Health Sciences option is designed for students who wish to apply for professional schools in medicine, pharmacy, dentistry, optometry, or physical therapy.

## Chemistry

Electives should include any additional prerequisites required for the specific program to be pursued after graduation from AUM. It is important that students enroll in their first mathematics course (as determined by their mathematics placement test score) and general chemistry at the earliest possible opportunity. Students are encouraged to discuss career opportunities with faculty members in the department before the end of their sophomore year.

| Requirements                                                                    | Semester Hours |
|---------------------------------------------------------------------------------|----------------|
| Chemistry (excluding PSCI 1500/1501, CHEM 2300/2301 and CHEM 4980).....         | 33             |
| Physics.....                                                                    | 8              |
| Mathematics (including MATH 1510 or MATH 1610 and Math 2200 or MATH 2670) ..... | 6-7            |

### AUM Core Curriculum:

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Area I. Written Composition                            |                 |
| English Composition (ENGL 1010 and 1020).....          | 6               |
| Area II. Humanities and Fine Arts.....                 | 12              |
| Area III. Natural Sciences and Mathematics .....       | 11 <sup>1</sup> |
| Area IV. History, Social and Behavioral Sciences ..... | 12              |
| Electives <sup>2</sup> .....                           | 39-40           |



|                     |     |
|---------------------|-----|
| Senior Seminar..... | 3   |
| Total Hours.....    | 120 |

<sup>1</sup>Area III core courses are to be included in 11 semester hours of mathematics, chemistry or physics.

<sup>2</sup>Elective credit can be obtained for PSCI 1500/1501. Credit will not be allowed for any course below the 1000 level. Credit will not be allowed for PSCI 1100, or BIOL 1050 or any mathematics course below MATH 1100.

## Chemistry/Professional

This option is intended for students planning to attend graduate school in the chemical sciences. Faculty members in the department will be pleased to discuss the attractive career prospects for students who complete this program.

| Requirements                                                                                                                       | Semester Hours |
|------------------------------------------------------------------------------------------------------------------------------------|----------------|
| General and Organic Chemistry .....                                                                                                | 16             |
| Chemistry Electives (excluding CHEM 2300/2301).....                                                                                | 21             |
| Chemistry Directed Study .....                                                                                                     | 4              |
| Physics.....                                                                                                                       | 8              |
| Mathematics (including MATH 1610, MATH 1620 and MATH 2670 or MATH 2200 and one additional mathematics course above MATH 1610)..... | 14             |

### AUM Core Curriculum:

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Area I. Written Composition                            |                 |
| English Composition (ENGL 1010 and 1020).....          | 6               |
| Area II. Humanities and Fine Arts.....                 | 12              |
| Area III. Natural Sciences and Mathematics .....       | 11 <sup>1</sup> |
| Area IV. History, Social and Behavioral Sciences ..... | 12              |
| Electives <sup>2</sup> .....                           | 22-24           |
| Senior Seminar.....                                    | 3               |
| Total Hours.....                                       | 120             |

<sup>1</sup>Area III core courses are to be included in 11 semester hours of mathematics, chemistry or physics.

<sup>2</sup>Elective credit can be obtained for PSCI 1500/1501. Credit will not be allowed for any course below the 1000 level. Credit will not be allowed for PSCI 1100, or BIOL 1050 or any mathematics course below MATH 1100.

## Chemistry/Health Sciences

The curriculum in the major is designed for students planning to apply to medical, pharmacy, dental, physical therapy or optometry school. Chemistry majors have enjoyed considerable success on application for admission to these schools. This is consistent with nationwide trends.

It is important for students to consult with an advisor to determine which degree program (chemistry or professional option) is most suitable to their pre-professional plans. Both programs provide all the prerequisites for application to health professional schools. The chemistry option is a particularly flexible curriculum that is attractive to students who want more opportunities to choose their courses and customize the major to reflect their special interests.

The following list is a general outline of the Chemistry degree requirements for a student planning to attend a health professional school in Alabama. Students should consult with an advisor in the department for details and the specific requirements for a particular professional school.

| Requirements                                               | Semester Hours |
|------------------------------------------------------------|----------------|
| General Chemistry .....                                    | 8              |
| Organic Chemistry .....                                    | 4-8            |
| Chemistry Electives .....                                  | 17-21          |
| Physics.....                                               | 8              |
| Mathematics.....                                           | 7              |
| University Core (beyond 11 hours in science and math)..... | 30             |

|                                                     |     |
|-----------------------------------------------------|-----|
| Electives (Including required biology courses)..... | 39  |
| Senior Seminar.....                                 | 3   |
| Total Hours.....                                    | 120 |

In the event that Chemistry majors do not enter a professional health science school, employment rates for students with strong backgrounds in chemistry are very high. In addition, large numbers of teaching assistantships are available for students who enter graduate programs in chemistry. It should be noted that either employment or financial assistance in graduate school is best obtained when applications are made at least six months before graduation. Contact the health sciences advisor for more information.

## Computer Science Major

The Department of Mathematics and Computer Science offers a program leading to the B.S. degree in Computer Science (CS).

The Computer Science program is designed to provide a solid foundation necessary for graduates to succeed in computer industry and in graduate studies. All electives must be approved by the Department of Mathematics and Computer Science. Students in CS must complete the following AUM courses.

| Requirements                                     | Semester Hours |
|--------------------------------------------------|----------------|
| Area I. Written Composition                      |                |
| ENGL 1010 and ENGL 1020 .....                    | 6              |
| Area II. Humanities and Fine Arts                |                |
| Fine Arts .....                                  | 3              |
| Literature .....                                 | 3              |
| Literature or Foreign Language.....              | 3              |
| COMM 1010.....                                   | 3              |
| Area III. Natural Sciences and Mathematics       |                |
| MATH 1610.....                                   | 4              |
| PHYS 2100 .....                                  | 4              |
| PHYS 2200 .....                                  | 4              |
| Area IV. History, Social and Behavioral Sciences |                |
| History Sequence.....                            | 6              |
| Social Science.....                              | 6              |
| Area V.                                          |                |
| MATH 1620.....                                   | 4              |
| MATH 2660.....                                   | 3              |
| MATH 4670.....                                   | 3              |
| CSCI 2000.....                                   | 3              |
| CSCI 2200.....                                   | 3              |
| CSCI 3000.....                                   | 3              |
| CSCI 3100.....                                   | 3              |
| CSCI 3200.....                                   | 3              |
| CSCI 3300.....                                   | 3              |
| CSCI 3400.....                                   | 3              |
| CSCI 3600.....                                   | 3              |
| CSCI 3650.....                                   | 3              |
| CSCI 3700.....                                   | 3              |
| CSCI 4100.....                                   | 3              |
| CSCI 4250.....                                   | 3              |
| CSCI 4300.....                                   | 3              |
| CSCI 4350.....                                   | 3              |
| CSCI 4400.....                                   | 3              |



|                            |     |
|----------------------------|-----|
| CSCI 4450.....             | 3   |
| CSCI 4950.....             | 2   |
| CS approved Science.....   | 4   |
| CS approved electives..... | 12  |
| Total .....                | 124 |

### Minor in Computer Science

The minor in Computer Science consists of 18 credit hours in computer. In addition to CSCI 2000, CSCI 2100, CSCI 3000 and CSCI 3600, students must select two of the following: CSCI 3100, CSCI 3200, CSCI 4100, and CSCI 4250. Students may have to take additional courses to fulfill the prerequisites of the required courses. A minimum of nine semester hours of credits to the minor must be completed in residence.

### Environmental Science Major

Students interested in environmental science as a major currently have four distinct concentrations in planning their course work:

Environmental Biology  
 Environmental Chemistry  
 Environmental Health and Toxicology  
 Environmental Geographic Information Systems

In each of these concentrations, the student is required to complete courses in the university core, biology, related science areas and electives. Each concentration requires a different assemblage of science and non-science courses.

The Biology and Environmental Science Department should be contacted for a current listing of courses required to complete a specific concentration and for additional concentrations that may become available.

The above concentrations prepare students for careers in the environment, geographic information systems, and employment in a number of jobs in the government and industry. These concentrations are also preparatory for competitive admission to professional programs and graduate school. Students selecting this degree may be eligible after their freshman year for a cooperative education program. This program allows students to obtain work experience in their field while continuing their education. In a typical work experience program, a student is paid by the employing agency, such as the Alabama Department of Environmental Management.

Environmental Science students enrolled at AUM may take marine biology course at the Dauphin Island Sea Lab in Mobile, Ala. For further details, consult the section that follows entitled Marine Biology Environmental Sciences Consortium.

#### Requirements for the Environmental Science Major

##### AUM Core Curriculum

##### Semester Hours

|                                                                                                                            |               |
|----------------------------------------------------------------------------------------------------------------------------|---------------|
| Refer to the University Core for specific requirements.....                                                                | 52            |
| Area I. Written Composition .....                                                                                          | 6             |
| University Success .....                                                                                                   | 3             |
| Area II. Humanities and Fine Arts.....                                                                                     | minimum of 12 |
| One of the courses must be a University core communication course (Introduction to Human Communication or Public Speaking) |               |
| Area III. Natural Science and Mathematics <sup>1</sup> .....                                                               | minimum of 11 |
| Cellular and Molecular Basis of Life AND Organisms, Adaptations, and the Environment with laboratories.....                | 8             |
| Mathematics .....                                                                                                          | minimum of 3  |

|                                                                                      |               |
|--------------------------------------------------------------------------------------|---------------|
| Area IV. History, Social Sciences and Behavioral Sciences.....                       | minimum of 12 |
| Total Hours for Core Courses.....                                                    | 55            |
| Area V. Biology and Support Courses <sup>2</sup> .....                               | 79            |
| Chemistry Courses .....                                                              | 16            |
| Biostatistics .....                                                                  | 3             |
| Ecology, Environmental Pollution and Control, Capstone .....                         | 11            |
| Writing intensive biology course in addition to Capstone.....                        | 4             |
| Environmental Science Seminars.....                                                  | 2             |
| GIS.....                                                                             | 4             |
| Earth Science.....                                                                   | 4             |
| Writing intensive biology course in addition to Capstone Environmental Science ..... | 4             |

Junior and Senior level biology specific course requirements and choices are controlled by the concentration. Please see your advisor.

Total Minimum Number of Hours ..... 120

<sup>1</sup> A sequence of literature or history is required.

<sup>2</sup> Contact Department of Biology for specific course listings or see index in back of catalog.

For more information on the Alabama Marine Environmental Sciences Consortium (MESC), see below.

### Alabama Marine Environmental Sciences Consortium

The Marine Environmental Sciences Consortium (MESC) is Alabama's unique approach to marine education and research. The MESC is charged with supporting the marine environmental science programs of member colleges and universities within the state by combining financial, academic and intellectual resources in one place. The MESC is housed at the Dauphin Island Sea Lab, an internationally renowned facility where courses and research in marine science can be pursued.

The Dauphin Island Sea Lab is located on the east end of Dauphin Island, 35 miles south of Mobile, Ala. The facilities can accommodate approximately 200 persons in residence. Support facilities include an apartment building, dormitories, a cafeteria, several three-bedroom family houses, a swimming pool and other amenities. Specific facilities available to consortium members include the Dauphin Island Sea Lab, Point aux Pins Marsh Lab, Hydrolab, Bayou La Batre Vessel Facility, teaching classrooms, library, research laboratory space and state-of-the-art instrumentation and equipment.

Course offerings will vary between sessions and between years. In addition to many summer courses being undergraduate and graduate level, other graduate courses are offered throughout the year for resident students. Classes are taught by MESC faculty as well as faculty from member schools and institutions outside the state. Courses have a lecture element, but laboratory exercises are predominantly field experiences. Students are expected to attend a series of weekly seminars where internationally known scientists are invited to speak.

#### Marine Environmental Sciences

AUM is a member of the Alabama Marine Environmental Science Consortium. Students enrolled at AUM may take select courses at the Dauphin Island Sea lab in Mobile. For a current listing of marine biology courses, students are urged to consult the Sea Lab website, [www.disl.org](http://www.disl.org).

Students who are interested in taking marine biology courses should contact Dr. John Aho in the Department of Biology and Environmental Science (334-244-3787). Students are urged to sign up for marine biology courses at the beginning of the spring semester. The following is a partial listing of courses that have been previously offered.



| MESC 2000 Level                                        | Semester Hours        |
|--------------------------------------------------------|-----------------------|
| Coastal Climatology.....                               | 2                     |
| Coastal Zone Management .....                          | 3                     |
| Coastal Geomorphology.....                             | 2                     |
| Dolphins and Whales.....                               | 2                     |
| <b>MESC 3000 Level</b>                                 | <b>Semester Hours</b> |
| Marine Biology.....                                    | 4                     |
| Marine Technical Methods.....                          | 2                     |
| Marine Protozoology .....                              | 2                     |
| Introduction to Oceanography.....                      | 4                     |
| <b>MESC 4000 Level</b>                                 | <b>Semester Hours</b> |
| Marine Invertebrate Zoology.....                       | 4                     |
| Marsh Geology .....                                    | 4                     |
| Marsh Ecology .....                                    | 4                     |
| Marine Fish Diseases .....                             | 3                     |
| Geographic Information Systems & Marine Research ..... | 3                     |
| Marine Conservation Biology .....                      | 3                     |
| Marine Botany.....                                     | 4                     |
| Marine Vertebrate Zoology.....                         | 4                     |
| Marine Ecology.....                                    | 4                     |

## Geographic Information Systems Major

The Bachelor of Science in GIS is granted by Auburn University at Montgomery's Department of Biology and Environmental Science. The degree is a four-year professional degree specifically designed to prepare students of GIS for placement in technical positions in one of the nation's fastest growing professions. Graduates of the BSGIS program acquire all the essential skills to assume technical positions in business, government, and industry, or seek employment as specialists in other areas where geospatial expertise is needed.

Students in GIS at Auburn University at Montgomery learn how to operate high-tech scientific equipment and computers to collect information and analyze data using programs designed by the world's leading geospatial software providers. They also work with internationally recognized faculty members on research at home and abroad, and fill internships with federal, state, and local government as well as private industry.

Students in the GIS program will complete a minimum of 120 semester hours, based on the following distribution.

|                                                                                                |                       |
|------------------------------------------------------------------------------------------------|-----------------------|
| <b>I. AUM Core Curriculum Requirements .....</b>                                               | <b>44</b>             |
| <b>II. Major Requirements</b>                                                                  | <b>Semester Hours</b> |
| A. GIS Foundations (32 hours)                                                                  |                       |
| PSCI 1330/1301 Introduction to Earth Science .....                                             | 4                     |
| GEOG 3940 Cartography with Lab.....                                                            | 4                     |
| GEOG 3950 Introduction to Geographic Information Systems with Lab .....                        | 4                     |
| GEOG 4930 Python Scripting in Geographic Information Systems with Lab .....                    | 4                     |
| GEOG 4950 Advanced Geographic Information Systems with Lab.....                                | 4                     |
| GEOG 4960 Remote Sensing and GPS Applications in Geographic Information Systems with Lab ..... | 4                     |
| GEOG 4965 Spatial Statistics .....                                                             | 4                     |
| GEOG 4970 3D & Raster Geographic Information Systems with Lab.....                             | 4                     |
| GEOG 4990 Applied Research in GIS .....                                                        | 4                     |
| GEOG 4985 GIS and Environmental Management with Lab .....                                      | 3                     |
| ENSC 4003 Species Distribution Management.....                                                 | 3                     |

|                                                                                     |    |
|-------------------------------------------------------------------------------------|----|
| Total Hours.....                                                                    | 42 |
| B. Geography, Biology or Environmental Science Electives - GIS Electives (16 hours) |    |
| Total Hours.....                                                                    | 9  |
| III. Required Minor .....                                                           | 18 |

### Minor in Geographic Information Systems

A minor focusing on the various elements of computer assisted geospatial analysis. The minor consists of 4 courses for 16 semester hours of credit.

Students must take the following courses:

- GEOG 3940 Cartography with Lab
- GEOG 3950 Introduction to Geographic Information Systems with Lab
- GEOG 4950 Advanced Geographic Information Systems with Lab

One additional course will be selected from the list below:

- GEOG 4960 Remote Sensing and GPS Applications in GIS with Lab
- GEOG 4955 GIS and Urban Studies with Lab
- GEOG 4970 3D and Raster GIS with Lab
- GEOG 4980 Advanced GIS Database Design with Lab
- GEOG 4985 Environmental Management and GIS with Lab

### Certificate in Geographic Information Systems (GIS)

The certificate in GIS is designed to satisfy the educational component for certification by the GIS Certification Institute (GISCI), a nationally and internationally recognized certification organization. Successful completion of five GIS courses will prepare students to employ computer-assisted spatial analyses in various academic professions as well as provide the tools necessary for practical applications in government or the private sector. Students interested in receiving the certificate must complete all five of the following courses.

- GEOG 3940 Cartography with Lab
- GEOG 3950 Introduction to Geographic Information Systems with Lab
- GEOG 4950 Advanced Geographic Information Systems with Lab
- GEOG 4960 Remote Sensing and GPS Applications in GIS with Lab
- GEOG 4990 Applied Research in Geographic Information Science and Systems with Lab

After successful completion, students receive a certificate of recognition from Auburn University at Montgomery. Students interested in the certificate should consult with individual departments to determine whether courses in GIS may apply to degree programs in which they have an interest. The certificate is also offered to non-degree seeking students.

### Mathematics Major

The Department of Mathematics and Computer Science offers a program leading to the B.S. degree in Mathematics (MH).

Students wishing to major in mathematics may choose one of two tracks the mathematics major (MH) and the mathematics education option (MHSE). Students in these options must meet university general studies requirements as well as requirements of the MH major or the MHSE option. All electives must be approved by the Department of Mathematics and Computer Science. Students in MH must complete the following AUM courses:

#### Requirements

Area I. Written Composition

#### Semester Hours



|                                                  |     |
|--------------------------------------------------|-----|
| ENGL 1010 and ENGL 1020 .....                    | 6   |
| Area II. Humanities and Fine Arts                |     |
| Fine Arts .....                                  | 3   |
| Literature .....                                 | 3   |
| Literature or Foreign Language.....              | 3   |
| COMM 1010.....                                   | 3   |
| Area III. Natural Sciences and Mathematics       |     |
| MATH 1610.....                                   | 4   |
| PHYS 2100.....                                   | 4   |
| PHYS 2200.....                                   | 4   |
| Area IV. History, Social and Behavioral Sciences |     |
| A History sequence .....                         | 6   |
| Approved Social Science.....                     | 6   |
| Area V.                                          |     |
| MATH 1620.....                                   | 4   |
| MATH 2630.....                                   | 4   |
| MATH 2660.....                                   | 3   |
| MATH 3000.....                                   | 3   |
| MATH 3690.....                                   | 3   |
| MATH 4200.....                                   | 3   |
| MATH 4210.....                                   | 3   |
| MATH 4220.....                                   | 3   |
| MATH 4230.....                                   | 3   |
| MATH 4300.....                                   | 3   |
| MATH 4310.....                                   | 3   |
| MATH 4320.....                                   | 3   |
| MATH 4670.....                                   | 3   |
| MATH 4950.....                                   | 3   |
| CSCI 1210/CSCI 2000 .....                        | 3   |
| MATH approved Science.....                       | 8   |
| MATH 3000 + level (PHIL 3700 may be used).....   | 3   |
| MATH approved concentration .....                | 9   |
| MATH approve electives (2000 + level).....       | 11  |
| Total .....                                      | 120 |

The Mathematics education (MHSE) option is a joint program provided by the Department of Mathematics and Computer Science and the Department of Curriculum, Instruction and Technology. This option is available for students wanting to teach mathematics in secondary schools. This program leads to a teaching certificate in Alabama for grade 6 to 12. Students will be assigned academic advisors in both departments. Students will be expected to satisfy College of Education requirements concerning admission to professional education and professional internship along with graduation requirements expected of students in both departments.

In addition to the core requirements and College of Education requirements, students pursuing the option in mathematics education (MHSE) must complete the following requirements:

|                 |   |
|-----------------|---|
| MATH 1150 ..... | 4 |
| MATH 1610 ..... | 4 |
| MATH 1620 ..... | 4 |
| MATH 2630 ..... | 4 |
| MATH 2660 ..... | 3 |
| MATH 2670 ..... | 3 |
| MATH 3000 ..... | 3 |

|                                                |   |
|------------------------------------------------|---|
| MATH 4110 .....                                | 3 |
| MATH 4200 .....                                | 3 |
| MATH 4210 .....                                | 3 |
| MATH 4310 .....                                | 3 |
| MATH 4470 .....                                | 3 |
| MATH 4950 .....                                | 2 |
| CSCI 1210/ CSCI 2000 .....                     | 3 |
| Approved 3000/4000 MATH or CSCI elective ..... | 3 |

### Minor in Mathematics

The minor in Mathematics consists of 16 credit hours in mathematics. In addition to MATH 2630, MATH 2660, and MATH 3690, students must select two 4000 level courses with the exception of MATH 4950.

### Psychology Major

The Department of Psychology promotes the generation, development and transfer of scientific and professional knowledge through its programs of teaching, research and service. The goal of the undergraduate program is to provide students with a comprehensive grounding in scientific psychology, which is intended to result in critical thinking skills and a systematic knowledge of human behavior. Students appropriately distinguish between concepts used in the discipline of psychology, differentiate the various research methodologies used in psychology and competently explain behavior and cognitive-affective states with respect to biological, social and cultural influences.

The following university core courses are required:

| AUM Core Curriculum Requirements                                   | Semester Hours |
|--------------------------------------------------------------------|----------------|
| Area I. English Composition .....                                  | 6              |
| Area II. Humanities, Fine Arts and Literature .....                | 12             |
| Area III. Natural Sciences and Math (MATH 1050 or MATH 1150) ..... | 11             |
| Area IV. History and Social Sciences .....                         | 12             |
| Total Core Requirements .....                                      | 41             |

### Required Courses for the Psychology Major

The student majoring in psychology must take the following: (a) the core courses (PSYC 3192); (b) one course from each of the three substantive areas; and (c) electives that bring the total major credits to at least 48 semester hours.

| Psychology Major Core                                  | Semester Hours |
|--------------------------------------------------------|----------------|
| PSYC 2193 Research Design .....                        | 4              |
| PSYC 3193 Research Statistics .....                    | 4              |
| PSYC 4153 Principles of Psychological Assessment ..... | 4              |
| PSYC 4160 History and Systems in Psychology .....      | 3              |

### Areas

#### A. Cognitive-Learning Bases of Behavior (one of the following):

|                                      |   |
|--------------------------------------|---|
| PSYC 3123 Behavior Analysis .....    | 4 |
| PSYC 3280 Learning .....             | 3 |
| PSYC 3660 Cognitive Psychology ..... | 3 |

#### B. Biological Bases of Behavior (one of the following):

|                                                        |   |
|--------------------------------------------------------|---|
| PSYC 4320 Physiological Psychology .....               | 3 |
| PSYC 4330 Sensation and Perception .....               | 3 |
| PSYC 4340 Health Psychology .....                      | 3 |
| PSYC 4350 Psychopharmacology: Drugs and Behavior ..... | 3 |



**C. Personal-Cultural-Social Bases of Behavior (one of the following):**

|                                          |   |
|------------------------------------------|---|
| PSYC 3450 Social Psychology .....        | 3 |
| PSYC 3460 Psychology of Women .....      | 3 |
| PSYC 3470 Culture of Psychology .....    | 3 |
| PSYC 3510 Personality.....               | 3 |
| PSYC 3530 Abnormal Psychology .....      | 3 |
| PSYC 3780 Developmental Psychology ..... | 3 |

**Specialization and Application (one of the following)**

|                                                         |              |
|---------------------------------------------------------|--------------|
| PSYC 4902 Independent Study in Psychology .....         | 3            |
| PSYC 4924 Practicum in Psychology .....                 | 3            |
| PSYC 4952 Seminar in Psychology (preferred option)..... | 3            |
| Psychology Electives .....                              | 21-22        |
| <b>Total Psychology Program Hours .....</b>             | <b>48-49</b> |

**Summary of Requirements for Bachelor of Science in Psychology**

|                           |            |
|---------------------------|------------|
| AUM Core .....            | 41         |
| Psychology Major .....    | 48         |
| University Electives..... | 31         |
| <b>Total Hours.....</b>   | <b>120</b> |

**Minor in Psychology**

The Department of Psychology offers a minor in Psychology. The Psychology minor requires 4 psychology courses in addition to General Introductory Psychology (PSYC 2110).

## Description of Courses

### Subject Area Index (Subject area codes in parentheses)

For departmental curricula and general information, see the index on page 301. This section lists and describes all undergraduate courses taught by the departments of the university. The courses are presented by subject area and arranged in departmental order, alphabetically. The subject (major or concentration) name (the heading in large type) is followed by the subject area code in parentheses.

The subject name (subject area) together with the course number constitutes the official designation for the course for purposes of registration and official records. The specific course title appears following the course number. The figures in parentheses denote the number of hours of semester credit for the course. Following the credit hours will appear the pre-requisites (required courses to be taken prior to) and co-requisites (required courses to be taken simultaneously with), if applicable.

|                                                                   |     |                                                           |     |
|-------------------------------------------------------------------|-----|-----------------------------------------------------------|-----|
| Accounting (ACCT) .....                                           | 155 | Information Systems (INFO) .....                          | 218 |
| Anthropology (ANTH) .....                                         | 157 | Instructional Technology (INST) .....                     | 222 |
| Biology (BIOL) .....                                              | 158 | Interdisciplinary Studies (IDSC) .....                    | 222 |
| Business (BUSN) .....                                             | 169 | International Studies (INTL) .....                        | 222 |
| Chemistry (CHEM) .....                                            | 170 | Japanese (JAPN) .....                                     | 225 |
| Childhood Education (ECEL) .....                                  | 172 | Kinesiology (see Physical Education) .....                | 245 |
| Chinese (CHIN) .....                                              | 172 | Korean (KORE) .....                                       | 225 |
| Clinical Laboratory Sciences (CLLS) .....                         | 173 | Latin (LATN) .....                                        | 226 |
| Communication (COMM) .....                                        | 176 | Less Commonly Taught Languages (TLFL) .....               | 226 |
| Communication Disorders (CMDS) .....                              | 179 | Management (MNGT) .....                                   | 226 |
| Computer Science (CSCI) .....                                     | 181 | Marketing (MKTG) .....                                    | 228 |
| Counselor Education (ECED) .....                                  | 183 | Mathematics (MATH) .....                                  | 230 |
| Criminal Justice (JUST) .....                                     | 184 | Military Science (MILS) .....                             | 236 |
| Early Childhood Education (ECHE) .....                            | 189 | Music (MUSI) .....                                        | 238 |
| Economics (ECON) .....                                            | 189 | Nursing (NURS) .....                                      | 238 |
| Economic Statistics (ECST) .....                                  | 192 | Organizational Leadership (ORGL) .....                    | 242 |
| Elementary Education (ELEM) .....                                 | 192 | Philosophy (PHIL) .....                                   | 243 |
| Engineering (ENGR) .....                                          | 193 | Physical Education (PHED) .....                           | 245 |
| English (ENGL) .....                                              | 193 | Physical Science (PSCI) .....                             | 250 |
| English as a Foreign Language (EHFL) .....                        | 200 | Physics (PHYS) .....                                      | 251 |
| Environmental Science (ENSC) .....                                | 200 | Political Science (POLS) .....                            | 252 |
| Finance (FINA) .....                                              | 201 | Psychology (PSYC) .....                                   | 254 |
| Foundations of Education (FNDS) .....                             | 203 | Quantitative Methods and Decision<br>Science (QMTD) ..... | 257 |
| French (FREN) .....                                               | 203 | Reading Education (READ) .....                            | 258 |
| French Study Abroad Courses .....                                 | 204 | Religious Studies (RELI) .....                            | 259 |
| General Education (EDUC) .....                                    | 205 | Secondary Education (SCED) .....                          | 259 |
| General Elective Credit (GENL) .....                              | 205 | Social Work (SOWK) .....                                  | 260 |
| Geography: Geographic Information Systems -<br>GIS - (GEOG) ..... | 205 | Sociology (SOCI) .....                                    | 261 |
| German (GERM) .....                                               | 207 | Spanish (SPAN) .....                                      | 265 |
| German Study Abroad Courses .....                                 | 208 | Spanish Study Abroad Courses .....                        | 267 |
| Greek (GREK) .....                                                | 208 | Special Education (ESPE) .....                            | 267 |
| Health Sciences Interprofessional<br>Collaboration (HSIC) .....   | 208 | Theatre (THEA) .....                                      | 269 |
| History (HIST) .....                                              | 208 | University Honors Program (HONR) .....                    | 271 |
| Homeland Security and Emergency<br>Management (HSEM) .....        | 216 | University Success (UNIV) .....                           | 271 |
| Human Resource Management (HRSM) .....                            | 217 | Visual Art (VISU) .....                                   | 272 |



## Accounting (ACCT)

**2000. Essentials of Accounting (3).** Provides the background for a basic understanding of the accounting function in business and nonbusiness organizations. Will not substitute for ACCT 2010 or ACCT 2020. For nonbusiness majors only.

**2010. Introduction to Financial Accounting (3).** Pr. Min. grade of C in MATH 1050 or MATH 1100 or MATH 1120 or equivalent. An introduction to the fundamentals of financial accounting process, the preparation of financial statements and the analysis of financial statements.

**2020. Introduction to Managerial Accounting (3).** Pr. Min. grade of C in ACCT 2010. Covers the use of accounting data in the management functions of planning and controlling through the study of the manufacturing process, budgeting, cost benefit analysis, cost-volume-profit analysis, performance evaluation, product costing and pricing. This course will promote technology literacy.

**3000. Excel for Accounting (3).** Pr., C or better in ACCT 2020. This course teaches students how to efficiently and effectively use Excel to solve accounting problems. The focus is on spreadsheet development, advanced Excel functions, and the use of formulas including cell referencing.

**3110. Intermediate Accounting I (3).** Pr. Min. grade of C in ACCT 2010. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted accounting principles (GAAP). The three-hour course is the first of three courses covering in detail the financial reporting practices of U.S. corporations.

**3120. Intermediate Accounting II (3).** Pr., Min. grade of C in ACCT 3110. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted accounting practices (GAAP). The three-hour course is the second of three courses covering in detail the financial reporting practices of U.S. corporations.

**3130. Intermediate Accounting III (3).** Pr., Min. grade of C in ACCT 3120. The study of accounting theory as it applies to accounting practice and financial reporting according to generally accepted accounting principles (GAAP). The three-hour course is the third of three courses covering in detail the financial reporting practices of U.S. corporations.

**3150. Writing for Accounting Profession (1).** Pr. Min. grade of C in both BUSN 3060 and ACCT 3110. The course emphasizes the written communication skills necessary for success as an accounting professional, including documentation of research and analysis and preparation of memos, letters, and other forms of communication common to the accounting environment.

**3200. Accounting Information Systems (3).** Pr., Min. grade of C in both ACCT 2020 and INFO 2050, junior standing. Introduction to accounting information systems with an emphasis on the understanding of transactions and relationships found in basic transaction cycles and the internal controls required by management.

**3210. Managerial Cost Accounting (3).** Pr. Min. grade of C in ACCT 2020. The study of cost behavior as it relates to cost accumulation, allocation and control procedures for manufacturing, service and governmental organizations, with an emphasis on job-order, process, activity and standard costing methods along with related budgeting and planning techniques.

**3310. Income Tax Accounting (3).** Pr. junior standing. Income taxation of individuals, sole proprietors, partnerships, corporations and fiduciaries with emphasis on role of taxation in the business decision-making process and use of tax software, introduction to partnerships, corporations and estate taxation.

**3410. Accounting Information Systems (3). Pr. ACCT 2020 and INFO 2070.** Introduction to accounting information systems with an emphasis on the understanding of transactions and relationships found in basic transaction cycles and the internal controls required by management.

**4130. Advanced Financial Accounting (3). Pr., Min. grade of C in ACCT 3120.** Advanced accounting theories and methods, consolidation of financial statements and other special problems. Duplicate credit will not be allowed for ACCT 4130 and ACCT 6130.

**4210. Advanced Accounting Information Systems (3). Pr., Min. grade of C in ACCT 3200 or equivalent.** A study of accounting applications, cyber security, and privacy concerns with evaluating accounting systems, processes, and internal procedures. This course applies concepts using technology. Duplicate credit will not be allowed for ACCT 4210 and ACCT 6210.

**4320. Advanced Income Tax Accounting (3). Pr. Min. grade of C in ACCT 3310.** Specialized tax determination problems of partnerships, corporations, estates and trusts. Additional emphasis on tax research and compliance. Duplicate credit will not be allowed for ACCT 4320 and ACCT 6320.

**4380. Taxation: Serving the Community (3).** Through experiential learning, students will enhance their knowledge of State and Federal taxes by first participating in software training by ImpactAmerica/SaveFirst, and then by providing free tax preparation for low-income working families.

**4410. Auditing I (3). Pr. Min. grade of C in both ACCT 3120 and ACCT 3200.** Principles and procedures of financial statements audits conducted in accordance with professional auditing standards; reviews and compilations; professional ethics and auditor independence.

**4450. Auditing II (3). Pr. Min. grade of C in ACCT 4410 or equivalent.** Examines selected external auditing topics in-depth, and other professional services performed by CPAs, including relevant professional standards. Duplicate credit will not be allowed for ACCT 4450 and ACCT 6450.

**4510. Government and Nonprofit Accounting and Financial Reporting (3). Pr. Min. grade of C in ACCT 3110.** Accounting and financial reporting principles and practices for governmental and nonprofit entities. Duplicate credit will not be allowed for ACCT 4510 and ACCT 6510.

**4520. Government Auditing and Internal Control (3). Pr. Min. grade of C in ACCT 4410 and ACCT 4510.** A study of internal (management) control, generally accepted government auditing standards (GAGAS), and analytical procedures in the government environment. Duplicate credit will not be allowed for ACCT 4520 and ACCT 6520.

**4530. Government Budgeting and Performance Reporting (3). Pr. Min. grade of C in ACCT 3110.** The government financial management function includes the theories and methods of budgeting, performance reporting, and public accountability. Duplicate credit will not be allowed for ACCT 4530 and ACCT 6530.

**4610. Accounting and Auditing in Nonprofit Organizations (3). Pr. Min. grade of C in ACCT 3110.** Nonprofit accounting, financial reporting theory, related ethical issues, and the Single Audit Act. Duplicate credit will not be allowed for ACCT 4610 and ACCT 6610.

**4900. Independent Study (1-3). Pr., junior standing, department head approval.** Variable content as determined by faculty member outside of classroom setting. May be repeated up to 6 hours.

**4924. Internship in Accounting (1-3). Pr., departmental approval.** Provides students with the opportunity to gain valuable insight through practical accounting experience so they may better correlate their academic experience with a professional, real- world environment. Business elective credit.



**4970. Special Problems/Special Topics (3).** Pr., junior standing, departmental approval. Variable content in accounting within the classroom setting. May be repeated up to 6 hours.

**5130. Advanced Financial Accounting (3).** Pr., Min. grade of C in ACCT 3120. Advanced accounting theories and methods, consolidation of financial statements and other special problems. Duplicate credit will not be allowed for ACCT 4130 and ACCT 5130.

**5320. Taxation of Business Entities (3).** Pr., Min. grade of C in ACCT 3310. Specialized tax determination problems of partnerships, corporations, estates and trusts. Additional emphasis on tax research and compliance. Duplicate credit will not be allowed for ACCT 4320 and ACCT 5320.

**5510. Governmental and Nonprofit Accounting and Financial Reporting (3).** Pr., Min. grade of C in ACCT 3110. Accounting and financial reporting principles and practices for governmental and nonprofit entities. Duplicates will not be allowed for ACCT 4510 and ACCT 5510.

**5970. Special Topics in Accounting (3).** Variable content in the accounting area.

## **Anthropology (ANTH)**

**2110. Cultural Anthropology (3).** Global overview of human cultural diversity, covering societies with varying degrees of complexity. Emphasizes diversity of cultural practices and the effects of globalization on all human societies.

**2120. Introductory Archaeology (3).** Pr., sophomore standing. The history, principles and methods of investigating and reconstructing past cultures.

**3120. North American Archaeology (3).** An archaeological and ethnohistorical survey of prehistoric North American cultures from the continent's initial occupation through European colonization.

**3200. Culture and Personality (3).** Pr., ANTH 2100 or PSYC 2110. A critical survey of the field of culture and personality and of the principal concepts and methods employed in studying sociocultural factors in personality development.

**3740. Anthropology and Health (3).** Pr., ANTH 2100 or ANTH 2110. Introduction to cultural norms, perspectives and perceptions of health care. Focuses on the role of cultural and ethnic beliefs and adaptations pertaining to matters of sickness, curing and well-being in modern and traditional societies.

**3760. Ethnology: People of a Selected Culture Area (3).** Pr., ANTH 2100. Cultural anthropology and archaeology in a selected global culture area. Focuses on comparative analyses of major cultural developments, including origins, migrations and adaptations. May be repeated for a maximum of 6 hours credit.

**3800. New World Civilization (3).** Pr., ANTH 2100. Prehistory of Mexico, Peru and adjacent areas, tracing the development of state level societies from the earliest inhabitants to European contact, including the Teotihuacan, Aztec, Mayan and Peruvian cultures.

**3810. Language in Culture and Society (3).** Pr., ANTH 2110. Examines the relationship between languages and their cultures and societies.

**3820. Historical Archaeology (3).** Pr., ANTH 2110 or permission of instructor. Overview of methods and theories used by historical archaeologists. Emphasis on North American history from 15th to 20th centuries.

**3971. Special Topics in Anthropology (3).** Pr., permission of instructor. Examines selected topics from an anthropological perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 15 hours credit.

**4030. Cultural and Social Change (3).** Pr., ANTH 2110 min. grade of C and SOCI 4000 or permission of instructor. Research and theories in social and cultural change. Emphasis on the causes and consequences of cultural and social change in traditional, modern and post-modern societies.

**4100. Biological Anthropology (3).** Introduction to human evolution, natural selection, genetics, hominid origins and ancestry and archaeological methods for recovery and interpretation of the fossil record. Emphasis is placed on the concept of human adaptive fitness and variation in diverse physical environments.

**4200. Anthropology of Religion (3).** Pr., ANTH 2110. Examines preliterate religion and cross-cultural aspects of beliefs and rituals. Focuses on the way in which these beliefs and practices are interrelated with the sociocultural lifestyles.

**4723. Laboratory Techniques in Archaeology (1-3).** Analysis, preservation, cataloging and restoration techniques of cultural, botanical and osteological materials from archaeological sites.

**4900. Independent Study in Anthropology/Archaeology (1-3).** Pr., senior standing or permission of instructor. Independent reading and/or research in selected areas of anthropology.

**4924. Internship in Anthropology (1-3).** Pr., permission of instructor. Independent internship with an anthropology professional. Provides students with an opportunity to gain valuable insight through practical anthropological experiences in a workplace setting.

**4940. Field Archaeology (3-6).** Pr., permission of instructor. Active field participation using the techniques of excavation, site mapping, data recording, artifact recovery and photography.

**4945. Advanced Field Archaeology (1-3).** Pr., permission of instructor. Application of archaeological field methods to an individual project, which is part of a supervised archaeological field program.

## **Biology (BIOL)**

**0006. Biology Bootcamp (0).** A week long Biology experience to help students prepare and feel prepared to be successful in BIOL 1010.

**1000. Introduction to Biology (3).** Co-req. BIOL 1001. This course serves as an introduction to biological principles relevant to human society. Introduction to Biology, along with BIOL 1001, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major.

**1001. Introduction to Biology Laboratory (1).** Co-req. BIOL 1000. Laboratory exercises designed to support the concepts and topics of BIOL 1000. This course, along with BIOL 1000, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major.

**1010. Cellular and Molecular Basis of Life (3).** Pr. ACT Math score core A02>20, Math 0700 B or better, Math 0800 C or better, Math 1100, Math 1120, Math 1150, Math 1510 OR Math 1610 AND ACT English score A01>18, ENGL 0100 C or better, ENGL 1010 or ENGL 1017; or BIOL 1000 or BIOL 1050 C or better. Integrated principles of biology, beginning with the structure and function of the cell following reproduction, heredity and evolution. This course, along with BIOL 1011, satisfies a 4-hour core Area III laboratory requirement. Intended for majors or to fulfill a required prerequisite need.



**1011. Cellular and Molecular Basis of Life Laboratory (1).** Pr. ACT Math score core A02>20, Math 0700 B or better, Math 0800 C or better, Math 1100, Math 1120, Math 1150, Math 1510 OR Math 1610 AND ACT English score A01>18, ENGL 0100 C or better, ENGL 1010 or ENGL 1017; or BIOL 1000 and 1001 C or better. Laboratory exercises designed to support the concepts and principles of introductory BIOL 1010. Inquiry and the scientific method are emphasized. This lab, along with BIOL 1010, satisfies a core curriculum requirement in the natural sciences. This lab must be taken with or after successful completion of BIOL 1010.

**1017. Cellular and Molecular Basis of Life Honors (3). Co-req. BIOL 1018. Admission to the University Honors Program (UHP).** Integrated principles of biology, beginning with the structure and function of the cell followed by reproduction, heredity and evolution. Credit will not be given for both BIOL 1017 and BIOL 1000 or BIOL 1010.

**1018. Cellular and Molecular Basis of Life Laboratory Honors (1). Co-req. BIOL 1017. Admission to the University Honors Program (UHP).** Laboratory exercises designed to support the concepts and principles of Honors BIOL 1017. Inquiry and the scientific method are emphasized.

**1020. Organisms, Adaptations, and the Environment (3).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 1021. Extends Principles of Biology I to include the systematic dynamics of structural and functional relationships of organisms. This course, along with BIOL 1021, satisfies a 4-hour core laboratory requirement in the area of natural sciences. Intended for majors or to fulfill prerequisite requirements.

**1021. Organisms, Adaptations, and the Environment Laboratory (1).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 1020. Supports the concepts and investigations associated with topics in BIOL 1020. This lab, along with BIOL 1020, satisfies a core curriculum requirement in the natural sciences. This lab must be taken with or after successful completion of BIOL 1020.

**1027. Organisms, Adaptations, and the Environment Honors (3).** Pr. Min. grade of C in BIOL 1010 or BIOL 1017. Co-req. BIOL 1028. Admission to the University Honors Program (UHP). The systematic dynamics of structural and functional relationships of organisms.

**1028. Organisms, Adaptations, and the Environment Laboratory Honors (1).** Pr. Min. grade of C in BIOL 1011 or BIOL 1018. Co-req. BIOL 1027. Admission to the University Honors Program (UHP). Support the concepts and investigations associated with topics in BIOL 1027.

**1050. Introduction to Environmental Biology (3). Co-req. BIOL 1051.** This course provides non-science majors a global view of essential themes in environmental biology and emphasizes critical thinking, environmental responsibility, and global awareness. This course cannot be used toward credit in the biology major. This is a natural science core course. For on-line sections, sophomore standing or departmental approval required.

**1051. Introduction to Environmental Biology Laboratory (1).** Pr./Co-req. BIOL 1050. Laboratory exercises designed to support the concepts and topics of BIOL 1050. This course, along with BIOL 1050, satisfies a natural sciences laboratory course core. This course is designed for non-science majors and cannot be used toward credit in the biology major. For on-line sections, sophomore standing or departmental approval required.

**1060. Concepts in Sciences (3).** Science of nanotechnology, its applications, fundamentals of ethics and the ethical, societal, and environmental implications of nanotechnology.

**1611. Mathematical Biology Laboratory (1).** Pr., BIOL 1010 and CHEM 1100. Application of mathematical tools and analysis to biology. Including use of the spectrophotometer; dilution of stock solutions; MPN estimation of bacterial numbers; mutation rate and uses of the Poisson probability distribution; exponential population growth; calculus of reaction rates; and more.

**1950. Orientation for Medical Sciences (1).** A course for pre-professional students in the health sciences. Emphasis on information and attitudes for accessing professional programs. Graded as satisfactory or unsatisfactory. Credit is in addition to minimum degree requirements.

**2000. Nutrition (3).** Principles of human nutrition and the factors that influence energy and nutrient requirements throughout the life cycle and in various life-styles. Attention is given to nutrient deficiencies, toxicities, energy imbalances, and evaluation of personal dietary intake.

**2010. Fundamentals of Microbiology (3).** Pr. BIOL 1000 and BIOL 1001 or BIOL 1017, BIOL 1018. Co-req. BIOL 2011 or BIOL 3011. Basic aspects of microbiology including control of microbes, infection, and immunity selected infectious agents, and applied micro-biology. Biology majors cannot receive major credit for both BIOL 2010 and BIOL 3010.

**2011. Fundamentals of Microbiology Laboratory (1).** Pr. BIOL 1000 and BIOL 1001 or BIOL 1017, BIOL 1018. Co-req. BIOL 2010. The microbiology laboratory reinforces concepts relative to handling, growing, and interpreting data obtained from micro-organisms. Lab must accompany BIOL 2010. Biology majors cannot receive major credit for both BIOL 2011 and BIOL 3011.

**2020. Botany (3).** Pr., Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 2021. The morphology, physiology, evolution, distribution, and importance of plants.

**2021. Botany Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 2020. Laboratory exercises covering the morphology, physiology, evolution, distribution, and importance of plants.

**2030. Zoology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 2031. Identification, taxonomic classification, phylogeny, distribution, life history, and economic/medical importance of protozoans, invertebrates and vertebrates.

**2031. Zoology Laboratory (1).** Pr. Min. grade of C in both BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 2030. Laboratory exercises in the identification, taxonomic, classification, phylogeny, distribution, life history, and economic/medical importance of protozoans, invertebrates and vertebrates.

**2040. Animal Nutrition (3).** Pr. BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 and CHEM 1100, CHEM 1101. This course emphasizes topics related to the fundamental and applied aspects of industrial and domestic animal nutrition. Principles covered include: classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs, and formulation of diets.

**2060. Organismal Biology (3).** Pr. BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 and BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 2061. A survey of the biology of plants and animals, their phylogenetic relationships, and the dynamics of structural and functional relationships of these organisms.

**2061. Organismal Biology Laboratory (1).** Pr. BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 and BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 2060. A laboratory course surveying the biology of plants and animals, their phylogenetic relationships, and the dynamics of structural and functional relationships of these organisms.

**2100. Human Anatomy and Physiology (3).** Pr. BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 2101. A study of the structure and function of the tissues, and integumentary, skeletal, articular, muscular, nervous, and sensory systems.



**2101. Human Anatomy and Physiology Laboratory (1).** Pr. BIOL 2100, BIOL 2111. Co-req. BIOL 2100.

Lab exercises designed to study human anatomy and physiology using dissections, microscopy, models, computer simulations, and graphic illustrations. Lab must be taken concurrently with BIOL 2100.

**2110. Human Anatomy and Physiology II (3).** Pr. BIOL 2100, BIOL 2101 or BIOL 1017, 1018. Co-req.

2100. A study of the structure and function of the cardiovascular, lymphatic, respiratory, digestive, urinary, endocrine and reproductive systems.

**2111. Human Anatomy and Physiology II Laboratory (1).** Pr. BIOL 1010 and BIOL 1011 or BIOL 1017 and 1018. Co-req. BIOL 2110. Lab exercises designed to study human anatomy and physiology using dissections, microscopy, models, computer simulations and graphic illustrations. Lab must be taken concurrently with BIOL 2110.

**2200. Biostatistics (3).** Pr. MATH 1050 or MATH 1100 or MATH 1120 or MATH 1150 or MATH 1610. This course introduces students to statistical techniques commonly used in research and includes estimation and hypothesis testing, ANOVA, linear and non-linear regression and non-parametric statistics. Extensive use of computer exercises allows students to fulfill their requirement for computer literacy. This is a cross-listed course with MATH 2200 and may be team-taught.

**2410. Biomedical Vocabulary (3).** Pr. BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and ENGL 1020 or ENGL 1027. An introduction to medical word roots, combining forms, prefixes and suffixes needed for building an effective verbal and written biomedical vocabulary.

**3010. Microbiology (3).** Pr. Grade of C or better in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 3011 and BIOL 2100 or CHEM 1100 or PSCI 1500.. Microbial morphology, growth and control, physiology, genetics, concepts of the pathogenesis, immunology, and epidemiology, environmental and industrial microbiology. Biology majors cannot receive major credit for both BIOL 2010 and BIOL 3010.

**3011. Microbiology Laboratory (1).** Pr./Co-req. BIOL 3010. Laboratory techniques that reinforce concepts relative to the concepts presented in BIOL 3010. Biology majors cannot receive major credit for both BIOL 2011 and BIOL 3011.

**3100. Biology of Forensics (3).** Pr. BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 or permission of instructor. This course explores the application of scientific methods and techniques to problems in the field of forensic science with emphasis on forensic biology. Topics considered include analysis of hair, fiber and other materials, fingerprinting, forensic serology and toxicology and DNA analysis.

**3101. Biology of Forensics Laboratory (1).** Pr./Co-req. BIOL 3100. Laboratory exercises to accompany BIOL 3100 Biology of Forensics. This course introduces the student to some of the laboratory methods involved with forensic biology.

**3250. Epidemiology (3).** Pr., BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011. An introduction to the techniques used in studying the transmission, incidence and frequency of disease occurrence in populations.

**3300. Genetics (3).** Pr., Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 and min. grade of C in CHEM 1200, CHEM 1201. Co-req. BIOL 3301. The study of basic principles, concepts and problems relative to gene inheritance in animals and plants. The course includes topics that cover both classical and modern genetics.

**3301. Genetics Laboratory (1).** Pr., Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 and min. grade of C in CHEM 1200, CHEM 1201. Co-req. BIOL 3300. Students gain practical experience in classical and molecular genetic laboratory techniques.

**3400. Principles of Toxicology (3).** Pr. BIOL 1020 or 1027, and CHEM 1020. Covers toxicology, the study of poisons. Topics will include molecular and cellular sites of action of toxicants, carcinogenesis, teratology, effects of toxicants on the nervous system, cardiovascular system, respiratory system, and other organ systems, and ecosystem-level effects.

**3500. Biological Instrumentation (3).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 3501. An introduction to modern laboratory techniques and instrumentation for defining and measuring parameters encountered in biology. This course is basic to other courses in molecular biology.

**3501. Biological Instrumentation Laboratory (1).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 3500. A laboratory introduction to modern laboratory techniques and instrumentation for defining and measuring parameters encountered in biology. This course is basic to other courses in molecular biology.

**3740. Anthropology and Health (3).** Pr. ANTH 2110 or BIOL 1010. This course introduces you to the area of specialization, medical anthropology. The primary objective is to provide the materials for you to think about health and well-being outside the framework of standard biomedical concepts. Instead, you will examine health and concepts of health as ecological, evolutionary, and cultural systems rather than as merely products of disease dynamics. A second objective is to compare various societies in terms of their patterns of health and disease, their adaptive systems, and their beliefs about illness.

**3800. Topics in Ecological Economics (3).** Pr. Junior standing. An exploration of the often-divergent viewpoints of economics and ecologists over environmental issues. Issues of interest include economic development, environmental preservation, government regulation and international environmental conflicts. Cross-listed as ECON 3800.

**4010. Medical Microbiology (3).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and English 1010 or ENGL 1027 or HONR 1757 C or better. Co-req. BIOL 4011. The etiology, epidemiology, vector controls, identification, and pathogenesis of microorganisms of medical importance to man.

**4011. Medical Microbiology Laboratory (1).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and English 1010 or ENGL 1027 or HONR 1757 C or better. Co-req. BIOL 4010. Laboratory exercises involving the etiology, epidemiology, vector controls, identification, and pathogenesis of microorganisms of medical importance to man.

**4013. Medical Microbiology (Combined) (4).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. The etiology, epidemiology, vector controls, identification and pathogenesis of microorganisms of medical importance to man. This course includes a required laboratory component.

**4020. Vector-borne and Zoonotic Diseases (3).** Pr. 12 hours of Biology. This course explores zoonotic and vector-borne diseases of historic and current importance in public health. Major vector-borne and zoonotic diseases are discussed including epidemiology, available means of prevention and control of the disease and vectors, and concepts related to emergence of these diseases.

**4030. General Virology (3).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and BIOL 3300, BIOL 3301 or BIOL 3303 and ENGL 1010 or ENGL 1017 C or better or HONR 1757. Co-req. BIOL 4031. The molecular biology of bacterial and animal viruses; pathogenesis; diagnosis; and procedures for isolation, cultivation and purification.



**4031. General Virology Laboratory (1).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and BIOL 3300, BIOL 3301 or BIOL 3303 and English 1010 or ENGL 1027 or HONR 1757 C or better. Co-req. BIOL 4030. Laboratory exercises covering the molecular biology of bacterial and animal viruses; pathogenesis; diagnosis; and procedures for isolation, cultivation and purification.

**4033. General Virology (Combined) (4).** Pr., BIOL 2010, BIOL 2011, or BIOL 3010, BIOL 3011, BIOL 3303 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. The molecular biology of bacterial and animal viruses; pathogenesis; diagnosis; and procedures for isolation, cultivation and purification. This course includes a required laboratory component.

**4043. Beer, Wine, and Food Fermentation (4).** Pr., BIOL 3011 or BIOL 2010 and BIOL 2011. An in depth at the production of beer, wine, and ciders. Topics will also cover the production of lactic acid fermented foods such as pickles, kambucha, kimchi, and sauerkraut. This course has a required lab.

**4050. Industrial Microbiology (3).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4051. Principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology.

**4051. Industrial Microbiology Laboratory (1).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4050. Laboratory exercises on the principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology.

**4053. Industrial Microbiology (Combined) (4).** Pr., BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011. Lectures and laboratory exercises on the principles and practices of industrial processes involving microorganisms with emphasis on microbial biotechnology. Topics include screening and improvement of industrial microorganisms, fermentation media/equipment/systems, healthcare products (antibiotics, anti-tumor agents, alkaloids, steroids, vaccines etc.), alcoholic beverages, biofuel, single cell protein, probiotics, bioinsecticides, microbial fertilizer, fermented foods, microbial mining, production of amino acids, biocatalysis, waste biotechnology and recombinant DNA technology. This course includes a required laboratory component.

**4060. Environmental Microbiology (3).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011. Co-req. BIOL 4061. The roles of microorganisms in the environment including microbial diversity in earth environments, microbial ecology, biofilms and additional topics.

**4061. Environmental Microbiology Laboratory (1).** Pr. BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011. Co-req. BIOL 4060. Laboratory exercises on the roles of microorganisms in the environment including microbial diversity in earth environments, microbial ecology, biofilms and additional topics.

**4063. Environmental Microbiology (Combined) (4).** Pr., BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011. A combined lecture and lab course that cover the roles of microorganisms in the environment. Specific study areas include microbial diversity in earth environments, microbial ecology, biofilms and microbial communication, water and food-borne pathogens and diseases, mycotoxins, water and sewage treatment, biogeochemical cycles, molecular methods, microorganisms and bioterrorism, indoor health microbiology, environmental sample collection and processing. This course includes a required laboratory component.

**4070. Immunobiology (3).** Pr. or Co-req. BIOL 3300, BIOL 3301 or BIOL 3303 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4071. Topics include the molecules, cells, and organs involved in the immune response; genetic control of the immune response; the normal functions of the immune system; and immunopathology.

**4071. Immunobiology Laboratory (1).** Pr. or Co-req. BIOL 3300, BIOL 3301 or BIOL 3303 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4070. Laboratory topics include the molecules, cells, and organs involved in the immune response; genetic control of the immune response; the normal functions of the immune system; and immunopathology.

**4100. Developmental Biology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4101. A consideration of descriptive and experimentally derived information on developmental events of various organisms, with emphasis on the mechanics by which organisms achieve an orderly progression of changes during their life cycles.

**4101. Developmental Biology Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4100. The laboratory includes an introduction to both modern and classical approaches to development in a variety of organisms.

**4110. Biological Anthropology (3).** Human evolution, evolutionary theory, natural selection, genetics, hominid origins and ancestry, and archaeological methods for recovery and interpretation of the fossil record. Emphasis is placed on the concept of adaptive fitness and variation in diverse physical environments.

**4150. Vertebrate Physiology (3).** Pr. Min. grade of C in BIOL 2100 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4151. An in-depth investigation of the physiology of the major mammalian organ systems.

**4151. Vertebrate Physiology Laboratory (1).** Pr. Min. grade of C in BIOL 2100 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4150. An in-depth laboratory investigation of the physiology of the major mammalian organ systems.

**4183. Global Health Issues in South Africa (4).** Pr. Accepted OTS students only. Integrates classroom & field instruction, introduces students to the fundamental principles of public health in South Africa. Focus on three major themes; primary health care in South Africa, the impact of HIV/Aids & the role of traditional healers.

**4200. Ecology (3).** Pr. Min grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4201. The dynamics of the environment, accenting the description of the physical, chemical, and biological properties of local ecosystems, giving special attention to integrative and homeostatic processes, energy flow, nutrient cycles, and disruptive phenomena.

**4201. Ecology Laboratory (1).** Pr. Min grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. Co-req. BIOL 4200. Laboratory study of the environment, accenting the description of the physical, chemical, and biological properties of local ecosystems, giving special attention to integrative and homeostatic processes, energy flow, nutrient cycles, and disruptive phenomena.

**4210. Population Ecology (3).** Pr. BIOL 4203 or BIOL 4200, and BIOL 4201. A course in elementary mathematical ecology. Students' will be introduced to many of the models and techniques needed to understand population dynamics. Problem solving and the use of computer models will be emphasized.

**4230. Environmental Pollution and Control (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4231. Introduction to environmental science focusing on detection, sources and treatment methods for water pollution, air pollution, noise pollution, solid waste and hazardous waste. Legal and regulatory background will also be presented.

**4231. Environmental Pollution and Control Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4230. Field trips will be made and laboratory exercises will focus on characterizing water quality.



**4240. Ecosystems (3).** Pr. BIOL 4203 or BIOL 4200, and BIOL 4201. A continuation of the study of ecology, focusing on key concepts at higher levels of organization. Topics include fluxes of energy and matter, temporal and spatial patterns, problems of ecological scale, disturbance and succession.

**4283. Introduction to Field Ethnobiology (4).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 4383, BIOL 4932. Part of a semester study abroad in Costa Rica. Integrates scientific study of subsistence, medicinal, ceremonial, and esthetic use of plants and animals by human societies.

**4340. Histology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4341. A study of the morphology and classification of animal tissues as well as the arrangement of tissues in organs and systems in vertebrate animals.

**4341. Histology Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4340. A laboratory study of the cells, tissues, and organs of vertebrate animals.

**4350. Cell Biology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and min. grade of C in CHEM 1200, CHEM 1201. Co-req. BIOL 4351. A study of cell structure and function. The generalized cell, specialized cell, and the cell as an organism will be considered from the viewpoint of classical cytology and in terms of current biochemical, optical, and ultra-structural studies.

**4351. Cell Biology Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and min. grade of C in CHEM 1200, CHEM 1201. Co-req. BIOL 4350. A laboratory study of cell structure and function.

**4353. Cell Biology (Combined) (4).** Pr., BIOL 1020, BIOL 1021, or BIOL 1027, BIOL 1028 and CHEM 1200, CHEM 1201. A study of cell structure and function. The generalized cell, specialized cell, and the cell as an organism will be considered from the viewpoint of classical cytology and in terms of current biochemical, optical and ultra-structural studies. This course includes a required laboratory component.

**4383. Field Research in Methods in Tropical Diseases (4).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 4283, BIOL 4932. Part of a 15-week semester abroad program in Costa Rica. Integrates classroom and field instruction to introduce fundamental principles of tropical medicine and public health including the tropical environment and its related health issues.

**4423. Fundamentals of Tropical Biology (4).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 4413, BIOL 4932. Part of a semester abroad in Costa Rica. Conceptual themes in ecology, emphasizing tropical organisms and ecosystems. Topics range from behavioral and physiological adaptation of individuals to processes and patterns in diverse assemblages.

**4443. South African Ecosystems and Diversity (4).** Pr. Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-req. BIOL 4433, BIOL 4932. Conceptual themes in ecology emphasizing savannas; also consideration of fynbos, highveld, podcarp forests, coastal and intertidal zones. Topics include climate and geology of South Africa, roles of fire, drought, human presence, invasive species, and herbivores in shaping ecosystems.

**4500. Freshwater Biology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028, and min. grade of C in BIOL 2030, BIOL 2031 or BIOL 2033. Co-req. BIOL 4501. A study of the taxonomy and environmental relationships of biota of freshwater habitats.

**4501. Freshwater Biology Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028, and min. grade of C in BIOL 2030, BIOL 2031 or BIOL 2033. Co-req. BIOL 4500. A laboratory study of the taxonomy and environmental relationships of biota of freshwater habitats.

**4503. Freshwater Biology (Combined) (4).** Pr., BIOL 1020, BIOL 1021, BIOL 2033. A study of the taxonomy and environmental relationships of biota of freshwater habitats. This course includes a required laboratory component.

**4510. Invertebrate Zoology (3).** Pr. Min. grade of C in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028 and BIOL 2030, BIOL 2031 or BIOL 2033. Co-req. BIOL 4511. A taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories.

**4511. Invertebrate Zoology Laboratory (1).** Pr. Min. grade of C in BIOL 1020, BIOL 2021 or BIOL 2027, BIOL 2028 and BIOL 2030, BIOL 2031 or BIOL 2033. Co-req. BIOL 4510. A laboratory taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories.

**4513. Invertebrate Zoology (Combined) (4).** Pr., BIOL 1020, BIOL 1021, BIOL 2033. A taxonomic survey of all major invertebrate phyla with emphasis on major anatomical and physiological features and life histories. This course includes a required laboratory component.

**4520. Wetlands (3).** Pr. BIOL. 4200, BIOL 4201 or BIOL 4203. Co. req. BIOL 4521. An introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands. Field trips will be made.

**4521. Wetlands Laboratory (1).** Pr. BIOL. 4200, BIOL 4201 or BIOL 4203. Co. req. BIOL 4520. Field trips will be made to re-enforce the introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands.

**4530. Conservation Biology (3).** Pr. BIOL. 4200, BIOL 4201 or BIOL 4203. Co. req. BIOL 4531. The application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extensions, viability analysis, endangered species, and the role of models in conservation biology.

**4531. Conservation Biology Laboratory (1).** Pr. BIOL. 4200, BIOL 4201 or BIOL 4203. Co. req. BIOL 4530. The laboratory application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extensions, viability analysis, endangered species, and the role of models in conservation biology.

**4533. Conservation Biology (Combined) (4).** Pr., BIOL 4203. The application of ecological and genetic principles to conservation. Case studies include fisheries, habitat fragmentation, the use of corridors, rarity, extensions, viability analysis, endangered species and the role of models in conservation biology. This course includes a required laboratory component.

**4540. Field Botany (3).** Pr. BIOL 2020, BIOL 2021 or BIOL 2023. Co-req. BIOL 4541. An introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands. Field trips will be made.

**4541. Field Botany Laboratory (1).** Pr. BIOL 2020, BIOL 2021 or BIOL 2023. Co-req. BIOL 4540. Field trips will be made to re-enforce the introduction to the role, value, distribution, variability, and structure of wetlands and to the legal and regulatory framework through which they are managed in the U.S. Emphasis is placed on biogeochemical processes unique to wetlands.



**4543. Field Botany (Combined) (4).** Pr., BIOL 2023. An introduction to vascular plant taxonomy with emphasis on local vegetation. Weekly field trips will be made to different parts of the state and a plant collection will be required. This course includes a required laboratory component.

**4550. General Entomology (3).** Pr. C or better in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4551. This class will allow students to investigate insect structure, physiology, and ecology. Students will learn how insects interact with other insects, organisms and with their environment as a whole. Laboratory is required.

**4551. General Entomology Laboratory (1).** Pr. C or better in BIOL 1020 and BIOL 2021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4550. This laboratory class supplements the instruction for General Entomology. Students will investigate insect structure, physiology, and classification. Lecture is required.

**4560. General Parasitology (3).** Pr., C or better in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4561. This course focuses on providing students with an understanding of the taxonomy, life cycles, ecology and evolution of parasitic organisms. Students will learn representative examples from local ecosystems as well as parasitic diseases of man. Lab required.

**4561. General Parasitology Laboratory (1).** Pr., C or better in BIOL 1020 and BIOL 1021 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4560. This course focuses on providing students with an understanding of the taxonomy and life cycles of parasitic organisms. Students will learn representative examples from local ecosystems. Lecture required.

**4570. Animal Behavior (3).** Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031 or BIOL 2033. Co-req. BIOL 4571. This course broadly exposes students to evolutionary and ecological processes that promote the vast diversity of behaviors found on our planet. A strong emphasis on natural selection and the adaptiveness of behaviors pervades the course.

**4571. Animal Behavior Laboratory (1).** Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031 or BIOL 2033. Co-req. BIOL 4570. This laboratory broadly exposes students to quantitative measure of behavior. A strong emphasis on natural selection and the adaptiveness of behaviors pervades the course.

**4580. Ichthyology (3).** Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031 or BIOL 2033. Co-req. BIOL 4581. Ichthyology is the study of the biology of fishes. This course will cover morphology, physiology, development, behavior, evolution, and ecology of fishes. The material will cover fishes from throughout the world, both marine and freshwater, but will emphasize the freshwater fishes of Alabama.

**4581. Ichthyology Laboratory (1).** Pr. Min. grade of C in BIOL 1020 and BIOL 1021 or Min. grade of C in BIOL 1027 and BIOL 1028 or BIOL 2030 and BIOL 2031 or BIOL 2033. Co-req. BIOL 4580. Ichthyology Lab is a mixture of field work to examine the fishes of Alabama focusing on species in the central region as well as laboratory work emphasizing basic structure and function of fishes. Lab will serve as a vehicle to give you some experience in working on lentic and lotic species.

**4600. Molecular Genetics (3).** Pr. Min. grade of C in BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and min. grade of C in BIOL 3300, BIOL 3301 or BIOL 3300 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better or permission of instructor. Co-req. BIOL 4601. Topics include the fundamentals of DNA structure, replication, mutation and repair, gene expression; recombinant DNA techniques; and applications of biotechnology in medicine, agriculture, and industry.

**4601. Molecular Genetics Laboratory (1).** Pr. Min. grade of C in BIOL 2010, BIOL 2011 or BIOL 3010, BIOL 3011 and min. grade of C in BIOL 3300, BIOL 3301 or BIOL 3300 and ENGL 1010 or ENGL 1017 or HONR 1757 C or better or permission of instructor. Co-req. BIOL 4600. Laboratory topics include the techniques used in molecular genetics and biotechnology.

**4603. Molecular Genetics (Combined) (4).** Pr., BIOL 3303 or BIOL 3300 and BIOL 3301 and grade of C or better ENGL 1010 or ENGL 1017 or HONR 1757. Topics include the fundamentals of DNA structure, replication, mutation and repair, gene expression; recombinant DNA techniques; and applications of biotechnology in medicine, agriculture and industry. This course includes a required laboratory component.

**4660. Field Zoology (3).** Pr. Min. grade of C in BIOL 1010, BIOL 1020 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4661. A study of the natural history of vertebrates (fishes, amphibians, reptiles, birds, and mammals), concentrating on phylogeny, adaptations, ecology, and behavior.

**4661. Field Zoology Laboratory (1).** Pr. Min. grade of C in BIOL 1010, BIOL 1020 or BIOL 1027 and BIOL 1028. Co-req. BIOL 4661. Laboratory exercises will be oriented toward learning field techniques and familiarizing students with the local fauna.

**4663. Field Zoology (Combined) (4).** Pr., BIOL 1010 and BIOL 1020 or BIOL 1027 and BIOL 1028 or departmental approval. A study of the natural history of vertebrates (fishes, amphibians, reptiles, birds and mammals), concentrating on phylogeny, adaptations, ecology and behavior. Laboratory exercises will be oriented toward learning field techniques and familiarizing students with the local fauna. This course includes a required laboratory component.

**4700. Writing for Biology (1).** Pr. Min. grade of C in ENGL 1010 or ENGL 1017 or HONR 1757. Senior Standing. This course emphasizes the written communication skills necessary for success as a biologist, including formal research papers, analysis of scientific literature, poster presentation and oral presentations. This is a writing intensive course.

**4750. Endocrinology (3).** Pr. Min. grade of c in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4751. A study of the endocrine glands and their hormones as integrators of body functions in organisms, especially vertebrates.

**4751. Endocrinology Laboratory (1).** Pr. Min. grade of c in BIOL 1020, BIOL 1021 or BIOL 1027, BIOL 1028. Co-req. BIOL 4750. Laboratory study of the endocrine glands and their hormones.

**4753. Endocrinology (Combined) (4).** Pr., BIOL 1020, BIOL 1021. A study of the endocrine glands and their hormones as integrators of body functions in organisms, especially vertebrates. This course includes a required laboratory component.

**4760. Evolutionary Biology (3).** Pr., BIOL 3300 and BIOL 3301 or BIOL 3303. A study of evolutionary concepts, including population genetics, variability, dispersal, gene frequencies, natural selection and speciation.

**4800. Perspectives in Biology I (3).** Pr., Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Allows the student to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

**4801. Perspectives in Biology I Laboratory (1).** Pr., Min. grade of C in BIOL 1010, BIOL 1011. Laboratory component that may accompany BIOL 4800. Allows students to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.



**4803. Perspectives in Biology II (4).** Pr., BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Allows students to study a current topic not offered in the basic biology curriculum. Topics will vary and times offered will be irregular. This course includes a required laboratory component.

**4914. Mentor in Medicine (2).** Pr., sophomore standing, permission of pre-med adviser. A formal course for pre-medical students requiring time to be spent with a physician on rounds. Requires six hours per week contact. May be repeated, but only two hours may be applied to graduation requirements.

**4922. Biology Internship (3).** Pr., availability, junior standing, departmental approval. Internship allows students to experience biology applications in the work- place for elective credit. Students will have both a faculty sponsor and a preceptor at the work site. Graded as satisfactory or unsatisfactory.

**4924. Internship in Beer or Wine Making (3).** Pr. Min. grade of C in both BIOL 4040 and BIOL 4041. Internship allows students to experience beer and wine making in the workplace. Students will have both a faculty sponsor and a preceptor at the work site. Grade is satisfactory or unsatisfactory.

**4932. Directed Research (1-4).** Pr., 20 hrs. BIOL, 3.0 GPA, departmental approval. Undergraduate biology majors conduct research under the supervision of biology faculty. Faculty must agree to sponsor the research for 1-4 hours elective credit.

**4942. Directed Field Experience (1-4).** Pr., BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018 or equivalent. This course is a faculty-supervised study or research experience beyond the Auburn Montgomery campus for elective credit. This includes, but is not limited to, study abroad. You must be classified as a Junior or Senior to enroll in 4942.

**4952. Capstone Biology (3).** Pr., senior standing and ENGL 1010 or ENGL 1017 or HONR 1757 C or better. An exit course required for graduating seniors. Students participate in activities that assist with their transition from receiving a B.S. degree to entering the job market, graduate school, or professional school. Students will participate in activities designed to improve their technical writing and presentation skills.

**4970. Special Topics. (1-4) Lec.** Pr., departmental approval. Instruction and discussion in a selected topic in Biological Sciences. The course may be offered for 1-4 hours of elective credit.

**5250 Epidemiology (3).** Pr., BIOL 2010 and BIOL 2011 or BIOL 3010 and BIOL 3011. An introduction to the techniques used in studying the transmission, incidence and frequency of disease occurrence in populations.

**5300 Genetics (3).** Pr., BIOL 1010 and BIOL 1011 or BIOL 1020 and BIOL 1021. The study of basic principles, concepts and problems relative to gene inheritance in animals and plants. The course includes topics that cover both classical and modern genetics. This course may be taught concurrently with BIOL 3300.

**5400 Principles of Toxicology (3).** Pr., BIOL 1020 and CHEM 1020. Covers toxicology, the study of poisons. Topics will include molecular and cellular sites of action of toxicants, carcinogenesis, teratology, effects of toxicants on the nervous system, cardiovascular system, respiratory system, and other organ systems, and ecosystem-level effects.

## **Business (BUSN)**

**2740. Business Statistics I (3).** Pr. Min. grade of C in: INFO 2050 and MATH 1150 or MATH 1120 or permission of Department Head. The application of elementary statistics to business decisions, using descriptive statistical measures, probability distributions and estimation. This course also promotes technology literacy with use of current and emerging methods. Duplicate credit will not be allowed for BUSN 2740 and MATH 2670.

**2750. Business Statistics II (3).** Pr. Min. grade of C in BUSN 2740 or permission of Department Head. A continuation of Business Statistics I, including analysis of variance, Chi-Square, regression and correlation and nonparametric methods. This course promotes technology literacy through the use of current and emerging methods. Duplicate credit will not be allowed for BUSN 2750 and MATH 3670.

**3000. Ethical Leadership Development (1).** Pr., Junior standing. This class will enable students to demonstrate leadership skills while incorporating key competencies (e.g., ethical decision making, critical thinking skills, and diversity/global competencies as well as practicing oral communication skills) in a simulated environment.

**3060. Business Communication (3).** Pr. Min. grade of C in both ENGL 1010 and ENGL 1020. This course will provide students with the tools necessary to effectively communicate in a business environment. Oral and written communication skills will be emphasized along with interpersonal communication skills and professional development. This is a writing intensive class and will be the introductory class to the integrated core business curriculum.

**3100. Enterprise Resource Planning & Business Process Management.** Pr., Min. grade of C in INFO 3070. This course introduces core concepts of Business Processes and application of Enterprise Resource Planning within organizations. Students will learn how to design, implement, and manage business processes using an ERP solution. Case studies and projects will be required to reinforce student's learnings.

**3300. New Venture Creation (3).** Pr. - Min. grade of C in: ACCT 2010, ACCT 2020, BUSN 2740, BUSN 2750, ECON 2010, ECON 2020, INFO 2050, and MNGT 2410; junior level standing. This course is an introduction to new venture creation. Emphasis will be placed on strategic and tactical objectives, as well as strategic variables critical to achieving success in a new venture.

**4000. Creativity and Innovation (3).** Pr. Min. grade of C in BUSN 3300. Creativity and innovation are integral to an organization's ability to survive and thrive in to-day's competitive marketplace. This course provides students with an understanding of how creativity and innovation can be facilitated and managed in a work setting.

**4800. Strategic Management (3).** Pr. Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, BUSN 300, INFO 3070, FINA 3610, MKTG 3310, MNGT 3380, QMTD 3600, MATH 1050 or MATH 1120 or MATH 1150 or MATH 1610. This capstone course integrates the knowledge gained in the core business curriculum. Students will hone the ability to think about how an organization can gain sustainable competitive advantage by crafting integrated business strategy.

**4924. Internship in Start Up Ventures (3).** Pr. Departmental approval; Senior standing. In this course students will be paired with primarily community members focused on integrating the entrepreneurial tools they have developed in the context of a start-up venture. Major topics will include: enterprise launch, legal issues, financing, investor relations, and negotiation.

**4970. Special Problems/Special Topics (3).** Pr. Departmental approval. Instruction, discussion, and experiential learning opportunities of selected business topics. May be repeated up to 6 hours.

**5120. Managing Human Resources for Competitive Advantage (3).** Pr., MNGT 2000 or MNGT 3380. Managing human resources strategically to facilitate business strategy formulas, implementation and achievement of organizational objectives. Analyzes human resource management from the perspective of the general manager.

## Chemistry (CHEM)

**1000. Fundamentals of Chemistry (3).** An introduction to the fundamental concepts of chemistry for students who have a weak background in science but are required to take General Chemistry I (CHEM 1100). Includes basic chemical principles and related science topics, chemical problem solving and data handling.



**1100. General Chemistry I (3).** Pr., Min. grade of D in PSCI 1500 or (Min. grade of C in MATH 0800) or Min. Grade of D in: MATH 1100, or MATH 1120, or MATH 1150 or MATH 1610 or ACT Math Min. Test Score: 20, or SAT Math Min. Test Score: 480 or MATH SECTION SCORE Min. Test Score: 480. A detailed study of atomic theory, chemical bonding, states of matter, solutions and acid-base theory.

**1101. General Chemistry I Laboratory (1).** Pr., Min. grade of D in PSCI 1500 or (Min. grade of C in MATH 0800), or Min. grade of D in: MATH 1100 or MATH 1120 or MATH 1150 or MATH 1610, or ACT Math Min. Test Score: 20, or MATH SECTION Min. Test Score 480, or SAT Math Min. Test Score: 480. Experiments to accompany lecture topics in CHEM 1100.

**1200. General Chemistry II (3).** Pr., CHEM 1100, CHEM 1101; Co-req., CHEM 1201. A detailed study of kinetics, equilibria and thermodynamics. Introductions to organic chemistry and nuclear chemistry included.

**1201. General Chemistry II Laboratory (1).** Co-req., CHEM 1200. Experiments to accompany lecture topics in CHEM 1200.

**2103. Quantitative Analysis (4).** Pr., CHEM 1200, CHEM 1201. A study of quantitative methods of chemical analysis. Laboratory exercises include volumetric, gravimetric and spectrophotometric procedures. (Laboratory and lecture cannot be separated.)

**2300. Survey of Organic Chemistry (3).** Pr., CHEM 1200 and CHEM 1201. A descriptive course in applied organic chemistry with applications in the general, environmental and health sciences and the chemical industry.

**2301. Survey of Organic Chemistry Laboratory (1).** Pr., CHEM 1200 and CHEM 1201; Co-req., CHEM 2300. Experiments to accompany lecture topics in CHEM 2300. Provides an optional laboratory experience for CHEM 2300.

**3100. Organic Chemistry I (3).** Pr., CHEM 1200, CHEM 1201; Co-req., CHEM 3101. A systematic study of the physical and chemical natures of organic compounds. Includes hydrocarbon chemistry, simple functional groups and spectroscopy.

**3101. Organic Chemistry I Laboratory (1).** Co-req., CHEM 3100. Experiments to accompany lecture topics in CHEM 3100.

**3200. Organic Chemistry II (3).** Pr., CHEM 3100, CHEM 3101; Co-req., CHEM 3201. A continuation of CHEM 3100. A study of the major functional groups, poly- functional molecules and other selected topics.

**3201. Organic Chemistry II Laboratory (1).** Co-req., CHEM 3200. Experiments to accompany lecture topics in CHEM 3200.

**3300. Biochemistry (3).** Pr., CHEM 2300 or CHEM 3100 and CHEM 3101. A standard biochemistry course for students in the health and physical sciences. Emphasis on the major biomolecules and basic metabolism.

**3301. Biochemistry Laboratory (1).** Co-req., CHEM 3300. Experiments to accompany lecture topics in CHEM 3300. Provides an optional laboratory experience for CHEM 3300.

**3400. Inorganic Chemistry (3).** Pr.; CHEM 3100, CHEM 3101. A study of inorganic chemistry including structure, bonding, periodicity, and classification of the elements and their compounds. Additional topics selected from: group theory, coordination chemistry, crystal field, and ligand field theory, structure determination methods and bioinorganic chemistry.

**3401. Inorganic Chemistry Laboratory (1) Co-req.; CHEM 3400.** Experiments to accompany lecture topics in CHEM 3400 and which illustrate the preparation, purification, and characterization of inorganic compounds.

**3500. Environmental Chemistry (3). Pr., CHEM 3100, CHEM 3101.** An introduction to Environmental Chemistry, including the chemistry of natural and anthropogenic substances, both organic and inorganic, in the atmosphere, hydrosphere and lithosphere.

**3501. Environmental Chemistry Lab (1). Pr., CHEM 3100, CHEM 3101.** Experiments to accompany topics in CHEM 3500.

**4100. Physical Chemistry I - Thermodynamics (3). Pr., 16 hours of chemistry, 3 hours of calculus; Co-req., CHEM 4101.** Theoretical foundations of chemistry: a study of thermodynamics. Topics include thermodynamic laws, equilibrium and electrochemistry.

**4101. Physical Chemistry I Laboratory (1). Co-req., CHEM 4100.** Experiments to accompany lecture topics in CHEM 4100.

**4200. Physical Chemistry II - Quantum Chemistry and Spectroscopy (3). Pr., 16 hours of chemistry, 3 hours of calculus; Co-req., CHEM 4201.** Theoretical foundations of chemistry: a study of quantum mechanics, kinetics and spectroscopy.

**4201. Physical Chemistry II Laboratory (1). Co-req., CHEM 4200.** Experiments to accompany lecture topics in CHEM 4200.

**4303. Instrumental Analysis (4). Pr., CHEM 3100, CHEM 3101.** Emphasis on the principles and applications of instrumental methods to structure determination, chemical behavior and analysis. (Laboratory and lecture cannot be separated.)

**4980. Research in Chemistry (1-4). Pr., 16 hours CHEM, departmental approval.** Directed studies in chemistry. May be repeated for up to 8 hours credit.

## **Childhood Education (ECEL)**

**4453. Professional Development Seminar (3). Pr., admission to professional internship.** Students pursue study of special topics relevant to childhood education.

**4924. Professional Internship in Childhood Education (9). Pr., admission to professional internship, departmental approval.** Students are placed in public school settings for supervised teaching experiences.

**4973. Special Topics in Childhood Education (1-3).** This course provides a flexible curriculum of childhood education topics of interest. It is designed to meet the needs of individual teachers for content and pedagogy related to the elementary curriculum with an emphasis on study abroad/international studies when available.

**4982. Bachelor's Comprehensive Examination (0). Pr., departmental approval.** Comprehensive examination covering material from professional courses.

## **Chinese (CHIN)**

**1010. Elementary Mandarin Chinese I (4).** Basic skills of reading, writing, speaking and listening in Mandarin Chinese. Along with CHIN 1020, this course will fulfill the School of Liberal Arts foreign language requirement. Multimedia computer lab required.



**1020. Elementary Mandarin Chinese II (4).** Basic skills of reading, writing, speaking and listening in Mandarin Chinese. Along with CHIN 1020, this course will fulfill the School of Liberal Arts foreign language requirement. Multimedia computer lab required.

**2010. Intermediate Chinese I (4).** Pr., CHIN 1020. Continuing development of speaking, reading, writing, listening and cultural proficiencies in Mandarin Chinese.

**2020. Intermediate Chinese II (4).** Pr., CHIN 1020. Continuing development of speaking, reading, writing, listening and cultural proficiencies in Mandarin Chinese.

**3010. Chinese Phonetics (3).** Pr., CHIN 2020. Techniques of oral expression to develop greater fluency and accuracy, based on topics in contemporary civilization.

**3030. Chinese Conversation (3).** Pr., CHIN 2020. This course offers continued training in understanding and speaking Chinese at an advanced intermediate level. Its aim is to help students express their ideas about cultural and social matters in Chinese.

**3040. Chinese Composition and Style (3).** Pr., CHIN 2020. A study of advanced syntax through reading and composition exercises in various modern Chinese writing styles. Readings include essays of well-known Chinese writers such as Hu Shi, Zhu Ziqing, Bing Xin, Ai Wu, and Wang Wenxing. For non-native speakers of Chinese only.

**3100. Intro to Classical Chinese (3).** Pr., CHIN 3040 or permission of the instructor. Classical Chinese is the language of the bulk of the Chinese textual tradition from early historical and philosophical writings down to the early twentieth century, introducing the basic structures and vocabulary of that language.

**3310. Chinese for Business (3).** Pr., CHIN 3040. Development of advanced skills in reading materials related to Chinese business.

**4100. Chinese Masterpieces (3).** Pr., CHIN 3040. This course covers a variety of modern Chinese literary genres including essays, short stories, biographies, and criticisms. Emphasis on reading comprehension and expansion of vocabulary. Class discussions are on some substantive issues related to the reading.

**4120. Topics in Current Affairs (3).** Pr., CHIN 3040. Readings of current events from Chinese newspapers and periodicals published in mainland China, Taiwan, and the U.S. Emphasis is on the development of ability to read newspaper articles on different subjects and the analysis of sentence structures.

## **Clinical Laboratory Sciences, Division of (CLLS)**

**3000. Clinical Laboratory Orientation (3).** Pr., program approval. An introduction to the clinical laboratory profession. Basic concepts of laboratory practice introduced, including laboratory safety, laboratory information systems, hospital and laboratory organization and certification.

**3010. Laboratory Safety (3).** Pr., program approval. Students complete seven computer modules related to safety in the clinical laboratory. They include blood borne pathogens, formaldehyde, Tuberculosis, Fire Safety, Chemical Hygiene, First Aid, and Electrical Safety. Upon completion, students will be issued certificates of completion and passcodes into medical technology student laboratories.

**3013. Laboratory Techniques (4).** Pr., program approval. An introduction to the basic techniques used by clinical laboratory scientists. In addition, laboratory safety and current issues in health care explored.

**3103. Immunology and Serology (4).** Pr., program approval. A study of the human immune system in health and disease. Laboratory exercises are serologic procedures used in the laboratory diagnosis of immunologic and infectious diseases.

**3153. Clinical Immunohematology I (3). Pr., CLLS 3103 (required grade - C) or program approval.**

Application of the basic theory of immunology and genetics to human blood group systems and transfusion practice. Basic immunohematology techniques covered in the laboratory sessions.

**3203. Urinalysis and Body Fluids (3). Pr., program approval.** Physiologic mechanisms of the kidney discussed along with the importance of the kidney in homeostasis. Other body fluids commonly encountered in the clinical setting also discussed.

**3243. Clinical Hematology I (3). Pr., program approval.** A study of human homeostatic mechanisms, its diseases and abnormalities. Includes a study of the origin and maturation of the formed elements of human blood. Laboratory exercises focus on the evaluation of hemostatic function and anemia as well as the morphology of formed elements of the blood.

**3253. Clinical Hematology II (3). Pr., CLLS 3243 (required grade - C) or program approval.** A study of erythrocyte abnormalities and associated disease states. The laboratory focus on methods used in the evaluation of abnormal erythrocyte morphology.

**3303. Clinical Microbiology I (3). Pr., program approval.** Fundamentals of molecular diagnostics, including extraction techniques, electrophoresis, PCR and staining techniques used to evaluate DNA presented. Also topics in microbiology introduced such as safety, specimen handling, streaking techniques, morphology and media used to isolate microorganisms.

**3313. Clinical Microbiology II (4). Pr., CLLS 3303 (required grade - C) or program approval.** Introduction to basic procedures used in modern clinical laboratories for the isolation and identification of clinically significant microorganisms. Emphasis will be placed on laboratory identification of these infectious organisms.

**3353. Clinical Parasitology and Mycology I (3). Pr., program approval.** Disease mechanisms of blood, tissue and intestinal parasites studied, with emphasis on general mechanisms of parasitic infections. The increasing importance of fungal infections also discussed.

**3403. Clinical Instrumentation I (4). Pr., program approval.** An introduction to clinical laboratory instruments. Basic theory of fundamental clinical instrumentation discussed with hands-on experience in lab. Maintenance procedures and troubleshooting techniques introduced.

**3433. Methods of Drug Analysis (4). Pr., CLLS 3403 (required grade - C) or program approval.** A study of current techniques used in drug analysis. General theory as well as practical application of organic acid/base theory, liquid-liquid extraction, solid phase extraction, TLC, HPLC, GC and mass spectrometry covered.

**3503. Perspectives in Clinical Laboratory Science (3). Pr., program approval.** Introduction to research design for the evaluation of new methodology in clinical laboratory sciences. Students prepare a presentation of research findings.

**4040. Comprehensive Review (1). Pr., program approval.** A comprehensive review of medical technology. All students take a final comprehensive examination at the end of this course. Successful completion of this course is required for graduation. Final grades will be assigned on a pass/fail basis.

**4054. Phlebotomy (1). Pr., CLLS 3013 (required grade - C) or program approval.** Experience in phlebotomy provided in an affiliated clinical facility. Includes a review of basic concepts related to phlebotomy.

**4080. Laboratory Management and Education - WI (3). Pr., program approval.** This course offers an overview of the management process and supervisory techniques and responsibilities commonplace in the clinical laboratory. Also covered are clinical and classroom instructional methods and evaluation strategies.



**4114. Clinical Serology (1). Pr., CLLS 3103 (required grade - C) or program approval.** Experience in clinical serology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical serology.

**4163. Clinical Immunohematology II (3). Pr., CLLS 3153 (required grade - C) or program approval.** An advanced study of immunohematology theory and techniques. Emphasis placed on problem solving to assure safe transfusion practice.

**4174. Clinical Immunohematology III (2). Pr., CLLS 4163 (required grade - C) or program approval.** Experience in clinical immunohematology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical immunohematology.

**4214. Clinical Urinalysis (1). Pr., CLLS 3203 (required grade - C) or program approval.** Experience in clinical urinalysis provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical urinalysis.

**4263. Clinical Hematology III (4). Pr., CLLS 3253 (required grade - C) or program approval.** A study of white blood cell abnormalities in human blood with correlations to disease processes. The laboratory portion of this course involves development of expertise in hematologic procedures and correlation of test results with disease states.

**4274. Clinical Hematology IV (3). Pr., CLLS 4263 (required grade - C) or program approval.** Experience in clinical hematology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical hematology.

**4323. Clinical Microbiology III (4). Pr., CLLS 3313 (required grade - C) or program approval.** Continued development of the skills necessary to function efficiently in a microbiology laboratory. The student is exposed to extensive identification problems as they relates to various specimen sites (respiratory, CSF, etc.). Other topics include anaerobic bacteria and mycobacteria.

**4334. Clinical Microbiology IV (3). Pr., CLLS 4323 (required grade - C) or program approval.** Experience in clinical microbiology provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical micro-biology.

**4364. Clinical Parasitology and Mycology II (1). Pr., CLLS 3353 (required grade C) or program approval.** Experience in clinical parasitology and mycology will be provided in an affiliated clinical facility. This will include a review of basic concepts related to clinical parasitology and mycology.

**4414. Clinical Instrumentation II (1). Pr., CLLS 3403 (required grade - C) or program approval.** Clinical experience with laboratory instrumentation will be provided in an affiliated clinical facility. This will include a review of basic concepts related to clinical instrumentation.

**4453. Clinical Chemistry II (4). Pr., CLLS 3443 (required grade - C) or program approval.** Mechanisms for water, electrolyte and acid/base balance and imbalance discussed in association with renal, cardiac and respiratory function. Clinical enzymology and endocrinology discussed.

**4463. Clinical Chemistry III (2). Pr., CLLS 4453 (required grade - C) or program approval.** Heme, iron, bilirubin and porphyrin metabolism discussed with an emphasis on disease processes associated with errors in these metabolic pathways and laboratory diagnosis.

**4474. Clinical Chemistry IV (3). Pr., CLLS 4463 (required grade - C) or program approval.** Experience in clinical chemistry provided in an affiliated clinical facility. Includes a review of basic concepts related to clinical chemistry.

**4513. Research Techniques in Clinical Chemistry and Toxicology (1-8). Pr., program approval.** Offers students experience in current clinical chemistry and analytical toxicology research. Instrumentation utilized may include one or more of the following: atomic absorption spectrophotometer, fluorometer, HPLC, GC, UV spectrophotometer, densitometer and/or micro- computers.

**4523. Research Methods in Hematology and Immunohematology (1-8). Pr., program approval.** Utilizes research methods used in hematology, immunology and immunohematology. Students acquire additional experience in procedures in these areas of the laboratory.

**4533. Research Methods in Clinical Microbiology (1-8). Pr., program approval.** Covers current methods used in bacteriology, mycology or parasitology, depending on the area of interest.

## **Communication (COMM)**

**1010. Introduction to Human Communication (3).** An introduction to the basic concepts involved in the study of speech communication and the application of these concepts through performance in various contexts, such as interpersonal, small group and public address.

**1017. Introduction to Human Communication, Honors (3).** Admission to Honors Program or permission of instructor. Enhanced version of COMM 1010.

**2100. Media and Culture. (3).** A critical examination of the purposes, functions and effects of the mass media on individuals, institutions, culture and social structure. (Same as SOCI 2100.)

**2120. Film Appreciation (3). Pr., Minimum grade of C in ENGL 1020.** This course aims to introduce the students to the various elements of film form and to explore the relationship between meaning and form in film; concomitantly, it intends to enhance both analytical and critical abilities in discussion and writing about film.

**2130. Small Group Communication (3).** Theory and practice of competent communication in task-oriented small group or team settings. Topics include leadership, roles, decision making, problem solving, and conflict management.

**2212. Public Speaking (3).** Structure, style and delivery of various types of speeches for different occasions. Theory and study of current examples combined with practice.

**2250. Introduction to Political Communication (3).** An analysis of the role of communication in the political arena, political campaigning, political office-holding and lobbying.

**2703. Media Writing I (3). Pr., ENGL 1020.** An introduction to basic writing skills in the mass media.

**2743. Media Writing II (3). Pr., Minimum grade of C in COMM 2703.** Introduction to print and electronic information gathering. Writing and editing practice.

**2763. Digital Audio Production (3).** Introduction to basic broadcast production (radio). Stresses familiarity with audio production equipment; using the equipment as a vehicle for broadcast entertainment, news and public affairs programming.

**2783. Digital Video Journalism (3). Pr., COMM 2703, and COMM 2743.** Principles and practice of broadcast journalism, with an emphasis on news. Writing and production of news programs, specials and documentaries.

**2914. Journalism Practicum (1-3). Pr., COMM 2703.** Practical work experience on the student newspaper or other publications as approved by instructor.



**3000. Intercultural Communication (3).** An interdisciplinary course that focuses on cultural differences that influence attitudes, assumptions and behavior, especially as they affect intercultural communications. (Same as INTL 3000).

**3003. Oral Interpretation (3).** Pr., **COMM 1010** or **ENGL 1020**. Basic techniques and application of oral interpretation in reading prose, poetry and drama. (Same as THEA 3003.)

**3020. Visual Communication (3).** Students examine and create visual messages in a variety of contexts. Emphasis is on understanding the power of images in the sharing of messages.

**3120. Interpersonal Communication (3).** A study of the communication process in various interpersonal contexts. Designed to improve communication skills in naturally occurring dyads and groups as well as in more structured settings such as business. Considers problems of conflict management.

**3130. Sports Communication (3).** Pr., **COMM 2100**. Examination of sports communication theory, social and legal issues, and industry practices with an emphasis on strategic sports communication.

**3210. Horror Film (3).** Pr., **COMM 2100** or **COMM 2120**. Exploration of the American horror film genre from historical, socio-cultural, and critical perspectives.

**3220. Italian Cinema (3).** An introduction to Italian cinema from 1940s to today that examines film from social, historical, stylistic, and generic perspectives. Hollywood classic cinema also serves as a critical context.

**3300. Special Topics in Communication Studies (3).** Pr., permission of instructor. An exploration of a theme from any area of communication or media having contemporary relevance. Course may be repeated for a total of 9-semester hours, provided a different theme is selected each time.

**3310. Speech Writing (3).** Pr., **COMM 1010** or **COMM 2212**. Focused on preparing oral messages for someone else to deliver. Concerned with organization, writing, editing and revision of manuscripts.

**3350. Communication and Gender (3).** Study of the theoretical relationships between communication and the formation and enactment of sex roles as well as sex differences in communication and implications of those differences.

**3703. Broadcast Copywriting (3).** Pr., **COMM 2743**. A practical introduction to the principles forms and skills of writing for short form broadcast content such as PSAs.

**3710. Media History (3).** Pr., **COMM 2100**. A study of the American media, its development and influence on society from 17th-century England to the present.

**3733. News Writing (3).** Pr., education majors only. Equips teachers with skills to teach a news writing or journalism course; helps students evaluate journalism; and guides student publications in a language arts curriculum.

**3743. Advanced Media Writing (3).** Pr., **COMM 2743**. Advanced print and electronic media news gathering, reporting practice and methods and news editing. May be repeated for a total of 6SH, provided a different theme is selected each time.

**3750. Social Media (3).** Pr., **COMM 2100**. This course explores various aspects of social media, including the history, characteristics, communication plans, and management of social media, based on the interaction with interpersonal and strategic communication.

**3753. Advertising Media (3). Pr., COMM 2100 or permission of instructor.** Evaluation of media as vehicles for advertising messages in terms of cost, production capability, audience reach and selectivity and other factors.

**3760. Digital Video Production I (3).** Course is an introduction to the terminology, theory and practice of small video and multimedia production techniques. Focus on developing proficiency in planning, shooting and editing short video projects.

**3763. Digital Video Production II (3). Pr., COMM 3760.** Course provides practical application of both remote and studio principles acquired in COMM 3760.

**3800. Public Relations I (3). Pr., ENGL 1020 and COMM 2100.** Principles and practice of publicity and public relations programs and planning. Case studies.

**3830. Public Opinion and Propaganda (3). Pr., junior or senior standing.** A study of public opinion in relation to social control and collective behavior. Special attention is given to the mass media, the public opinion process and propaganda agencies and techniques.

**3843. Writing for Public Relations (3). Pr., COMM 2703 and COMM 3800.** Forms and styles of public relations writing, stressing essential skills of written communication needed in public relations.

**3853. Advertising Copywriting (3). Pr., ENGL 1020.** Introduction to and practice with forms and styles of writing in advertising, tailoring formats to those used in newspaper, magazine, television, radio and other media.

**3900. The Documentary Film (3). Pr., ENGL 1020.** A study of the process of communication and persuasion through film and television. Stresses viewing, analyzing and discussing key documentaries.

**3914 Media Practicum (3). Pr. COMM 3760.** Practical work experience in video production for the online student newspaper or other external viewing as approved by the instructor.

**4010. Public Argumentation (3). Pr. ENGL 1010, ENGL 1020, COMM 2743 or instructor permission.** This course fosters the skills and cultivates the critical thinking needed for writing persuasive, reasoned, evidence-supported arguments aimed at and accessible to a general public.

**4030. Communication Theory (3). Pr., COMM 1010 or COMM 2100.** Major theoretical approaches to and issues in the study of human communication. Various psychological and sociological conceptualizations of the communication process covered, ranging from mechanistic to interpretive positions.

**4110. Theories of Persuasion (3). Pr., COMM 1010 and COMM 2100.** Major social and psychological approaches to the study of attitudes and attitude change. Includes the study and analysis of theory and focuses on the persuasive campaign in various contexts.

**4130. Media Research Methods (3). Pr., COMM 2100.** A survey of media research principles and practices applicable to media professions and academic research.

**4720. Critical Issues in Media (3). Pr., Minimum grade of C in both COMM 2100 and ENGL 101, ENGL 1010, or ENGL 1017.** Critical assessment of and engagement with contemporary media problems and developments.

**4733. Topics in Media Production (3). Pr., COMM 3760.** Advanced media production topics in video, audio, and multimedia. May be repeated provided a different theme is selected each time.

**4770. Broadcast Media Management (3). Pr., COMM 2100.** Examination of the organization, practice, and functions of managing broadcast media enterprises.



**4800. Public Relations II (3). Pr., COMM 3800.** Case study work on public relations problems for the university and the community.

**4820. Media Law and Ethics (3). Pr., COMM 2100, junior standing.** Origins and background of laws governing the mass media; consideration of ethical problems of the media.

**4830. Strategic Promotion Campaign (3).** A team-based applied course designed to develop promotional campaigns, including advertising, for local organizations. Focus is on linking advertising agencies, account development and creative execution elements across the marketing promotion mix. Same as MKTG 4830.

**4900. Independent Study in Communication (1-3). Pr., junior standing and permission of instructor and department head.** Special research problem or project in communication, developed through approved activities under the direction of the instructor. May be repeated with different topics.

**4924. Media Internship (3-6). Pr., junior standing and permission of internship coordinator.** Independent internship with a communication professional. Must submit an application for the internship and must meet the qualifications.

## **Communication Disorders (CMDs)**

**3203. Introduction to Sign Language (3).** Introduction to manual communication used by the deaf. Includes alphabet, signs (emphasis on signed English) and understanding of the world of the deaf. Recommended for students in health care fields, justice and public safety, social work and other areas involving public contact.

**3213. Intermediate Sign Language (3). Pr., COMM 3203 or permission of instructor.** Intermediate course in manual communication used by the deaf. Emphasis on signed English as used by deaf and hearing impaired persons. Suggested for students majoring in health care fields, social work or law enforcement fields.

**3400. The Speech and Hearing Mechanism (3). Pr., admission to program.** Anatomy and physiology of the speech and hearing mechanism.

**3500. Introduction to Speech Pathology and Audiology (3).** Basic study of speech pathology and audiology, speech and language processes and development disorders, speech and clinical practice in speech pathology. Includes introduction to audiology, bases of sound and the hearing mechanism, hearing disorders and clinical practice in audiology.

**4410. Phonetics (3). Pr., admission to program.** Basic study of the sound system of the English language. Includes principles of sound production, phonetic transcription and the acoustical basis of phonetics.

**4500. Methods and Procedures in Speech-Language Pathology (3). Pr., admission to program.** Orientation to a variety of service delivery models in speech pathology, methods in designing programs to meet individual client needs in diverse settings, implementation procedures for management techniques and documentation procedures.

**4510. Articulation and Phonological Development and Disorders (3). Pr., COMM 4410 and admission to program.** The developmental aspects of articulation and phonology, including assessment and treatment procedures.

**4520. Voice Disorders and Craniofacial Anomalies (3). Pr., COMM 3400, 3500, 4410 and admission to program.** Introduction to voice and craniofacial anomalies and the assessment and treatment of these disorders.

**4530. Language Development (3). Pr., admission to program.** Models of language development with emphasis on cognitive-linguistic-pragmatic aspects, along with theories of language acquisition and language development from birth to adolescence.

**4560. Speech and Hearing Science (3). Pr., admission to program.** Introduction to the normal aspects of speech, language and hearing, including physiological aspects of speech, acoustics of speech sounds, speech perception, research tools and evolutionary aspects of language and speech.

**4570. Neurophysiological Aspects of Communication Disorders (3). Pr., admission to program.** Introduction to anatomy and physiology of the brain and nervous system. Relationship between neuroscience and communication disorders and hearing.

**4580. Fluency Disorders (3). Pr., admission to program.** The nature and treatment of the disorders of fluency.

**4590. Diagnosis and Clinical Management in Speech-Language Pathology. (3). Pr., COMM 3500 and admission to program.** Evaluation and clinical management of speech-language disorders with emphasis on assessment techniques and therapeutic principles and processes.

**4600. Introduction to Audiology and Hearing Disorders (3). Co-req., COMM 4601, admission to the program.** Principles of auditory reception, the hearing mechanism and the problems involved in measuring, evaluating and conserving hearing. Types and causes of auditory disorders and basic principles of special auditory tests for site of lesion.

**4601. Clinical Practicum I in Audiology (1). Co-req., COMM 4600, admission to the program.** Orientation and introduction to supervised clinical management of hearing disorders. Hands-on learning exercises in clinical management of hearing disorders.

**4610. Writing in Speech Pathology and Audiology (3). Pr., COMM 4600 and admission to program.** Advanced writing strategies in the fields of communication science disorders to include report writing in the areas of assessment and treatment and business and professional documentation.

**4620. Aural Rehabilitation, Habilitation and Hearing Conservation (3). Pr., COMM 4600 and admission to program. Co-req., COMM 4621.** Rehabilitation of aurally handicapped children and adults, with emphasis on auditory training, speech reading and hearing aids.

**4621. Clinical Practicum II in Audiology (1). Pr., COMM 4601, co-req., COMM 4620 and admission to the program.** Introduction to and participation in supervised clinical management of audiometric services. Hands-on learning exercises in clinical management of hearing disorders.

**4630. Advanced Practices in Audiology (3). Pr., COMM 4600, COMM 4620 and admission to program.** Advanced principles of auditory reception, the hearing mechanism, and the problems involved in measuring, evaluating, and conserving hearing. Site of lesion testing and advanced hearing aid technologies will be discussed.

**4640. Language and Cognitive Disorders Across the Lifespan (3). Pr. CMDS 4530.** Congenital and acquired disorders of language and cognition in relation to normal development and approaches to therapeutic management of both language and cognitive deficits.

**4650. Dysphagia (3). Pr., CMDS 4570.** Normal processes of mastication and swallowing to include both the anatomy and physiology of the oral motor and hyolaryngeal mechanisms, along with various problems which may occur at each state. Assessment of the swallow and remediation techniques to be discussed.



**4903. Independent Study in Speech-Language Pathology or Audiology (1-3).** Pr., admission to program. Special research or project in speech-language pathology and audiology developed through approved activities under the direction of the instructor. This course may be repeated for a maximum of 6 credit hours.

**4911. Observations in Speech (1).** Pr., admission to program. Orientation and introduction to supervised clinical management of speech and language disorders. Hands-on learning exercises in clinical management of hearing disorders.

**4914. Clinical Procedures in Speech (2).** Pr., admission to program and must have registered and submitted a class and work schedule 10 working days prior to the beginning of the term. Introduction to and participation in supervised clinical management of speech and language disorders. Must take course three times.

## Computer Science (CSCI)

**1000. Survey of Computer Applications (3).** Pr., MATH 0800 or MATH 1100 or MATH 1120 or MATH 1150 or MATH 1610. Applications such as text editing, spreadsheets and database systems. Includes an introduction to microcomputers and their hardware, communications, operating systems and programming. Includes hands-on laboratory sessions. No prior knowledge of computers is assumed.

**1110. Introduction to Computer Science (3).** Pr. MATH 0800 or ACT Math: 20 or SAT Math 480. Introduction to computer science for students with little or no programming experience. Students learn how to program and how to use computational techniques to solve problems. Topics include algorithms, simulation techniques, and use of software libraries.

**1200. Scientific Programming (3).** Pr., MATH 1510 or MATH 1610. FORTRAN programming with applications in the sciences and engineering; structured programming, including top-down design, control structures, subroutines, good programming style and documentation; an introduction to calculus-based algorithms and the use of scientific sub-routine libraries.

**1210. Introduction to Computing for Engineers and Scientists (3).** Pr., Min. grade of C in MATH 1150 OR Min. grade of D in MATH 1610 OR (Min. grade of C in both MATH 1120 and MATH 1500). Computer programming in a high-level language (Matlab programming), with emphasis on the use of the computer as a tool for engineering or science.

**1300. Computing Tools (3).** Pr., MATH 1610. Survey of main computer-based tools useful for mathematical computation and analysis of scientific data. Includes hands-on sessions on basic methods of symbolic and numerical computations, data processing, and visualization. It uses computer algebra systems similar to Mathematica and Maple.

**2000. Structured Programming I (3).** Pr., MATH 1510 or MATH 1610. Timeshared computer systems; programming methodology and problem-solving techniques; numeric and string processing; static and dynamic data structures; procedures, functions and recursion; files. Conducted in the computer language C++.

**2200. Discrete Structures (3).** Pr. MATH 1120 or MATH 1150 or ACT Math: 25 or SAT Math: 580. Introduction to fundamental programming concepts such as programming methodology, problem solving techniques, flow charts, control flow, procedural abstraction, basic I/O operations, and arrays. Materials are covered with intensive hands on exercises. The course uses a high level programming language such as C++ or JAVA. No previous programming experience is required.

**3000. Structured Programming II (3).** Pr., CSCI 2000, MATH 1620. Introduction to advanced programming concepts such as string processing, advanced I/O operations, pointers, dynamic data structures, object oriented programming with classes, recursion, and inheritance. The course uses a high level programming language such as C++ or JAVA.

**3100. Unix and C (3). Pr., CSCI 3000.** An advanced survey of the C programming language and Unix-like operating systems. Emphasis on the implementation of algorithms in C and to use of the major Unix utilities.

**3200. Parallel Programming (3). Pr., CSCI 3100.** Introduction to parallel computer systems and its programming paradigms. Concepts of parallelism, parallel communication and coordination as well as parallel algorithms and errors in parallel codes. It covers MPI and Open MP.

**3300. Introduction to Computer Architecture (3). Pr., CSCI 2200.** Introduction to the architecture and function of computers. Topics include microprocessors, memory, control units, storage, I/O systems, machine language, assembly language, high-level languages, functional organization, relationship between computer architecture and system software.

**3400. Data Structures (3). Pr., CSCI 3000.** Foundations of programming concepts: data structures and algorithms. Covers the design of efficient data structures and algorithms to solve various types of problems. Includes algorithms for standard computational problems; design and implementation of efficient algorithms; mathematical analysis of algorithm efficiency; linked lists; stacks; queues; trees; and recursion.

**3600. Fundamental Algorithm Design and Analysis (3). Pr., CSCI 3400.** Algorithms for standard computational problems; design and implementation of efficient algorithms; mathematical analysis of algorithm efficiency.

**3650. Ethics in Computer Science (3). Pr., ENGL 1010 and CSCI 3600.** This course focuses on the social, legal, ethical and cultural issues involved in the deployment and use of computer technology. Includes information about code of ethics documents produced by national and international professional societies and organizations.

**3700. Database Systems (3). Pr., CSCI 3400.** This course emphasizes the design and implementation of database management systems. Topics include data models, data normalization, data description languages, query facilities, file organization, index organization, file security, data integrity, and reliability.

**4080. Introduction to Digital Forensics (3). Pr., CSCI 3300 and CSCI 4300.** Introduce the topics of computer crime and digital forensics. Cover different aspects of computer crime and ways in which to uncover, protect and exploit digital evidence. Students will be exposed to different types of tools, both software and hardware, and be able to use them to perform rudimentary investigations.

**4100. Software Components (3). Pr., CSCI 3400.** The abstraction and implementation of reusable computer software components with applications to data structures and algorithms and to the engineering of large, software-intensive programs.

**4200. Theory of Formal Languages (3). Pr., CSCI 3000, MATH 4200.** Mathematical models of regular sets, context-free languages and Turing machines; deterministic and non-deterministic models, closure properties, normal forms and applications.

**4250. High Performance Computing (3). Pr., CSCI 3200 and MATH 2660.** Advanced parallel programming concepts such as single instruction multiple data (SIMD), scalability, performance improvements, memory models, many core processors and GPUs using NVIDIA CUDA and/or OpenCL programming environments.

**4300. Introduction to Operating Systems (3). Pr., CSCI 3100 and CSCI 3300.** An introduction to fundamental concepts in operating systems. Topics include process management, main memory management, virtual memory, I/O and device drivers, file systems, secondary storage management, introduction to critical sections and deadlocks.



**4350. Network Systems (3).** Pr., CSCI 3100 and CSCI 3300. Focuses on fundamental concepts of modern network systems, network architecture/organization and network communication (e.g. OSI and TCP/IP models). Topics include wireless networks, switching and routing, congestion, internet traffic, and network security.

**4400. Distributed Computing (3).** Pr., CSCI 3100 and CSCI 3300. This course discusses the fundamentals of distributed systems. Systems that can harness idle CPU cycles and storage spaces of many networked systems, client-server applications, concepts of Grid and Cloud computing are introduced.

**4450. Data Intensive Computing (3).** Pr., CSCI 3770 and CSCI 4400. This course covers a spectrum of topics from core techniques in relational data management to highly-scalable data processing using parallel database systems such as principles of query processing, data storage, scalable data processing, and concurrency control.

**4500. Mobile Computing (3).** Pr., CSCI 4100. Introduction to mobile devices programming. Application development using web technologies such as HTML, CSS and Javascript; native programming languages like Java and Swift; and hybrid technologies. This course is a hands-on intensive course.

**4550. Computer Graphics (3).** Pr., 3400 and MATH 2660. Introduction to the theory and practice of computer graphics. Includes introduction to graphics pipeline, 2D-3D transformations (e.g. scaling, translation and rotation), user interaction, perspective/orthographic projections, lighting, and shading. Uses OpenGL API with C/C++ programming language.

**4924. Computer Science Internship (3).** Pr., permission of instructor. Qualified students will be jointly supervised by faculty and computer professionals. Internship allows students to gain industrial work experience.

**4950. Senior Seminar in Computer Science (3).** Pr., ENGL 1010 (Min. grade of C), Senior Status or permission of instructor. Student is guided in the presentation of a technical topic and completes an appropriate project. Occupational and employment information and guidance is offered.

**4970. Special Topics in Computer Science (1-3).** Pr., permission of instructor. The student works under the direction of a faculty member on some topic of mutual interest. With the approval of the head of the department of Mathematics and Computer Science, may be taken satisfactory/unsatisfactory.

## Counselor Education (ECED)

**3890. Fundamentals of Counseling (3).** Pr., junior standing. Introductory course for undergraduate students from various majors and backgrounds. Introduces students to the field of counseling and the settings and roles of counselors. An overview of the foundations, skills, theories, ethics, legal issues, and community agencies in counseling is provided.

**3950. Counseling Seminar (1-3).** Pr., junior standing. Provides the opportunity for students and professors to comparatively pursue topics of interest to counseling and the helping professions. Innovations and emerging issues in the field are emphasized.

**4250. Diversity Issues of Families in Distress (3).** Pr., junior standing. Course focus will be family relationships emphasizing child/parent relationships and child abuse, neglect and exploitation. Family structures, attitudes and multicultural issues in systemic family counseling of selected diverse populations will be examined.

**4870. Play Therapy I (3).** Pr., junior standing. The course is designed to promote the development of an historical, theoretical, and ethical base for the practice of child therapy using play techniques.

**4880. Play Therapy II (3). Pr., junior standing.** The course will provide play therapy training for students who are interested in a Child Advocacy Studies Training minor.

## **Criminal Justice (JUST)**

**1150. Introduction to the American Criminal Justice System (3).** Overview of the United States criminal justice system; students develop a general understanding of the dynamic nature of the criminal justice system's response to crime in society, including the roles of law enforcement, courts, corrections, and juvenile justice systems.

**1160. Introduction to Security (3).** Survey of security administration in business, industry and government; consideration of problems and issues affecting the relationship between publicly funded law enforcement and the private sector.

**1250. Law Enforcement Theory and Practice (3).** Focuses on the theory of law enforcement at the local, state and federal levels of government. Police ethics and past, current and future changes in law enforcement policies and practices discussed.

**1270. Introduction to the American Legal System (3).** Overview of the major principles and functions of the United States legal system, including an introduction to Constitutional and statutory provisions, the American judicial system, legal vocabulary, and the dynamic impact of contemporary civil and criminal legal issues on American society.

**2400. Physical Security (3). Pr., JUST 1160.** Physical protection of industrial, business, governmental and educational facilities; physical security requirements and standards; and security surveys.

**2700. Legal Studies and Ethics (3). Pr. JUST 1270.** Survey of the occupational field of the paralegal (legal assistant), including ethics, law office management, legal research, law libraries, overview of administrative law, criminal and civil law, employment discrimination and career opportunities.

**2740. Law Office Management (3). Pr. JUST 1270.** Examination of various aspects of managing a law office, including management theories, organization of different types of law offices, office systems and procedures, computerized systems and personnel management.

**2813. Technology in Law (3). Pr. JUST 1270 or permission of instructor.** Introduction to software commonly used in law offices, including spreadsheets, databases, and case management software and review of word processing applications. Includes instruction in use of internet and computer-assisted legal research.

**3010. CBRN (Chemical, Biological, Radiation, Nuclear) Defense (3).** Provides first responders critical knowledge and skills to provide quick, concise, on-scene access to information about the most likely chemical, biological, and nuclear weapons. This course will familiarize students with important elements of response and protective measures.

**3040. Organization and Administration (3). Pr., JUST 1150.** Introduction to organizational structures, human resource management, organizational performance and consideration of organizational changes.

**3050. Community and Problem Oriented Policing. (3). Pr., JUST 1150.** The course examines the theoretical concepts of Community Oriented Policing and Problem Oriented Policing. It defines practical applications as well as both the positive and negative aspects of these modes of policing. It looks at the various implementations of these programs throughout the US.

**3120. Investigative Methods (3). Pr., JUST 1250.** Examination of theories and practices of the investigative process in the criminal justice system, specific operational techniques and applications of innovative techniques.



**3130. Supervision and Management (3). Pr., JUST 1150.** Examines the role of supervision in relation to leadership, motivation, evaluation and discipline in law enforcement agencies.

**3190. Personnel Security (3). Pr., JUST 1160.** Comprehensive study of security problems related to personnel; scope of personnel background investigations and utilization of investigative reports; requirements of personnel used in personal protection of selected individuals; procedures, problems and concepts of personnel protection.

**3200. Cyber and White Collar Crime (3).** Explores how a "networked" world has bred new crimes and criminality; investigates how information and communication technology has become a tool, target, and place of criminal activity and national security threats; discusses digital laws, legislation, public policy concerns and implications.

**3270. Foundations of Law in Public Policy (3).** Study of structure and scope of American legal system, including courts, legal culture, social role of legal profession, impacts of legal regulation, criminal justice, civil rights and liberties, and relationship between the legal system and public policy administration affecting American society.

**3290. Family Law and Public Policy (3).** Broad-based approach to an important area of government regulation; exploration of essential policies and legal rules for a variety of family law issues emphasizing societal options and ultimate choices for children and family welfare while protecting personal autonomy and meeting collective goals.

**3500. Transnational Crimes.** Examines historical and contemporary patterns, capabilities and vulnerability of transnational criminals and organizations and their impact on society. Discusses the crime, reviews illicit activities of transnational criminal organizations; examines link to terrorism and public policy.

**3510. Corrections: Theory & Practice (3). Pr., JUST 1150.** Examines the historical development of corrections and current corrections philosophy, policy, theory and practice. Traditional and innovative corrections programs addressed, with primary focus on institutional issues and trends.

**3570. Criminal Justice Policy (3).** Explores criminal justice policy and planning at local, state, and national levels. Students will learn application of planning theories, techniques for analyzing problems, development of programs and policies, as well as program and policy monitoring and evaluation in criminal justice.

**3620. Criminal Law (3).** Jurisprudential philosophy and case study of common law and statutory crimes. Includes functions and development of substantive criminal law, elements of specific offenses and defenses.

**3630. Evidence/Criminalistics (3). Pr., JUST 1150.** Issues and problems of proof in civil and criminal trials, rules of evidence, examining witnesses, constitutional considerations, etc.

**3640. Contemporary Topics in Criminal Law (3). Pr. JUST 3620.** Jurisprudential philosophy and case study of common law and statutory crimes in new and emerging areas of criminal law not covered in Criminal Law to include white-collar crimes, immigration crimes, drug crimes, intellectual property crimes, rules of war crimes, and bribery crimes.

**3670. Family Law (3).** Examination of the law impacting family relationships such as marriage, annulment, divorce, adoption, child support and custody, child abuse, illegitimacy, termination of parental rights, separation agreements, support agreements and the rights of the parties involved.

**3680. Torts/Civil Actions (3). Pr. Sophomore standing.** The law of private wrongs: negligence theory, duty, breach of duty, proximate cause, damages and defenses. Examination of legal and medical malpractice. Discussion of intentional torts.

**3730. Real Estate Law (3).** A study of the aspects of real estate law concerning present and future estates in realty, concurrent ownership, landlord-tenant relationships, conveyances and titles.

**3750. Sport Law (3). Pr. Sophomore standing.** Survey of the common law issues associated with American sports, to include the study of negligence and tort issues, gender equity issues, risk management of sports, agency law, sports contracts, products liability, and anti-trust laws.

**3760. The Environment and the Law (3). Pr. Sophomore standing.** Survey of U.S. environmental laws and enforcement processes, to include a review of the National Environmental Protection Act (NEPA), the Clean Water Act (CWA), the Clean Air Act (CAA), the Resource Conservation and REcovery Act (RCRA), and other laws.

**4000. Statistics and Data Management for Social Sciences (3). Pr., JUST 1150, MATH 1100.** This course provides the basic principles and quantitative methods to address real world problems in criminal justice and public safety. Basic quantitative methods, including probability, descriptive statistics, inferences for means and proportions, regression and other quantitative methods are presented. The analytic methods and applications will be linked to topics developed in various justice and legal studies courses. This course fulfills a requirement of Justice and Public Safety majors.

**4100. Women in Criminal Justice (3).** Examines the nature and extent of female offenders, victims and professionals in the criminal justice system. The course will provide students with an understanding of the processing of women offenders and victims through the criminal justice system. Students will also become familiar with the theoretical concepts focusing on female criminality, victimization and women professionals in the criminal justice system.

**4110. Introduction to Homeland Security (3). Pr., JUST 1150.** The course outlines and describes this emerging discipline. It introduces theories of terrorism; focuses on the domestic and international threats of terrorism, basic security issues, and techniques to combat terrorism. Discusses existence, the present and future state of terrorism.

**4200. Comparative Criminal Justice (3).** Examines representative criminal justice systems from a variety of nations with emphasis on the role of history, culture, social and political values and economic institutions in shaping institutions of justice including law, police, courts, corrections, and juvenile justice systems and practice. Attention is paid to conflict and cooperation between criminal justice systems and ideologies that occur when peoples of different cultures and systems are in close proximity.

**4220. Ethics in Criminal Justice (3).** Ethical dilemmas and decisions in the criminal justice system, with a focus on law enforcement problems.

**4300. Health Law and Public Policy.** Course provides students an analytic framework for the in-depth analysis of essential policies and legal issues impacting and arising from healthcare and public health systems, as well as the formulation of health policies and laws.

**4350. Community Corrections (3).** Administrative and managerial aspects of the security field in the private sector, administrative and regulatory agency requirements, financial management and planning and organization and vulnerability assessment.

**4370. Security Administration (3). Pr., JUST 1160.** Administrative and managerial aspects of the security field in the private sector, administrative and regulatory agency requirements, financial management and planning and organization and vulnerability assessment.

**4390. JPS Information Systems (3). Pr., JUST 1150.** Examines the major information technology systems used in the criminal justice arena. Practical experience is offered on systems used in actual agencies. Technologies of the future will be explored.



**4400. Crime Analysis (3). Pr., JUST 1150.** This course focuses on the application of tactical, strategic and administrative crime analysis tools, techniques and methods; identify crime patterns, series and trends; develop weekly and daily crime bulletins; prepare target sheets and known offender profiles and crime mapping applications.

**4403. Information and Computer Security (3). Pr., JUST 1150, JUST 4390.** Examines the major information technology systems used in the criminal justice arena. Practical experience is offered on systems used in actual agencies. Technologies of the future will be explored.

**4410. Law Enforcement Administration (3). Pr., JUST 1150.** Review of administrative structure, management practices and operational aspects of enforcement agencies in the criminal justice system. Analysis and evaluation of innovative programs and the impact of science and technology.

**4420. Correctional Management (3). Pr., JUST 3510.** Application of basic principles of organization and management to corrections. Discusses evolution of correctional management. Also addresses correctional policy, procedure, budgeting and program development and evaluation.

**4510. Planning and Budgeting (3).** Introduction to planning concepts, methods, implementation, budgeting and evaluation. Discusses the relationship of planning to effective management and decision making. Develops a broad conceptual framework for various planning methods and techniques.

**4530. Community Corrections (3). Pr., JUST 1150.** Community-based corrections philosophy, policy and programs discussed, with focus on probation, parole, diversion and intermediate sanctions. Relationship of community and institutional corrections discussed.

**4540. Juvenile Justice Law (3). Pr., JUST 1150.** Historical and case-oriented approach to the legal basis of individualized justice for children, including early common law approaches, the child-saving movement, the juvenile court era and the modern challenge to the court by the constitutionalists.

**4560. Gangs (3).** Explores gang phenomena in United States; concentrates on recent research about gang formation & gang related violence including the various criminological theories that explain the social, economic, political, and environmental reasons for the rise of gangs in various urban centers.

**4570. Corrections: Rights and Responsibilities (3).** Detailed examination of jail and prison staff and inmates' rights and responsibilities in relationship to 18 U.S.C. 241-242 and 42 U.S.C. 1983, deprivation of civil rights legislation.

**4580. Loss Prevention (3). Pr., JUST 1150.** Examination of losses suffered by retailers as a result of manmade and natural security hazards. Includes risk assessment, policies and emergency planning.

**4590. Bankruptcy (3). Pr., junior standing.** Provides an understanding of bankruptcy law, including creditor collection, history of bankruptcy and non-bankruptcy alternatives.

**4600. Business Organizations for Paralegals (3). Pr., JUST 1270.** Detailed study of legal issues in business. Topics include contracts, UCC, e-commerce, negotiable instruments, securities, secured transactions and business entities.

**4602. Legal Research (3). Pr., ENGL 1010 and junior or senior standing.** Detailed study of legal bibliography, law library research and case and text analysis, resulting in the supervised production of legal research assignments.

**4610. Juvenile Justice Administration (3). Pr., JUST 1150.** Application of basic principles of organization and management in the juvenile justice system. Examines the social and legal context within which delinquency and juvenile justice practice occur. Discusses policy, procedure, budgeting, program development and evaluation.

**4622. Legal Writing (3).** Pr., JUST 4602 and junior or senior standing or permission of instructor. Detailed study of writing skills and preparation of legal documents, including legal briefs and memoranda of law. Integrates legal research and analysis skills to produce legal documents and effective legal communication.

**4630. Victimology (3).** Characteristics of victim/offender interactions, the effects of criminal acts upon victims and their families and post-traumatic stress disorder and its implications for victims and the criminal justice system are addressed.

**4640. Criminal Procedure (3).** Pr., JUST 1150. A study of the legal steps involved in the enforcement of criminal law and the fundamental principles necessary to a fair trial. Procedurally oriented discussion of arrest, search and seizure, right to counsel and due process of law.

**4650. Civil Litigation (3).** Pr. JUST 1270, junior standing. A study of the legal steps involved in the preparation of a civil case at law, efforts towards non-judicial settlement, trial and post-trial considerations and general civil law matters.

**4660. Court and Judicial Administration (3).** Historical and contemporary perspectives of the field of court management at the state and local levels. Administrative and management issues concerning trial courts, the state court system and the federal court system are analyzed.

**4690. Wills, Trusts, and Estates (3).** Pr. JUST 1270 and junior standing. To familiarize the student with the process of estate planning and probate, with emphasis on the practical aspects of will drafting, creation of trusts and probate administration.

**4700. Research Methods (3).** Pr., ENGL 1010 and ENGL 1020. Research methods as applicable to justice and public safety, evaluation of research designs, conceptual models and sampling techniques and procedures. Analysis of research results. Development of an individual research design.

**4710. Alternative Dispute Resolution (3).** Pr., ENGL 1020 and junior or senior standing. Examination of the various aspects of alternative dispute resolution, including arbitration, negotiation and mediation. Looks at differences and requirements in these areas and explores skills needed to work in this growing field of law.

**4720. Government Power and Civil Rights (3).** Pr., POLS 2020. Surveys the development of American constitutional law that shapes the contemporary powers of governments in the United States.

**4750. Survey of Crime Theories (3).** Provides an examination of the major criminological schools of thought as well as the prominent theorists within each school; theories are presented that examine criminal motivation and the application of criminal law; additionally, the implicit theoretical assumptions regarding the punishment of offenders are examined.

**4780. Administrative Law (3).** Pr. JUST 1270, junior standing. Substantive and procedural matters of the administrative justice system, including code and standards, benefit claims, regulated groups, court decisions and civil rights.

**4810. Cold Case Investigations (3).** Pr., JUST 1150. The course is an overview of the best practices for working cold cases. Topics will include techniques for solving cold cases, interviewing, court orders, DNA, information sources, prosecution, and case studies, involving homicide and sexual assaults.

**4924. Internship (1-6).** Pr., junior or senior standing and permission of advisor. Supervised study in an administrative setting to integrate theory and practice in criminal justice agencies. Credit may not exceed 3 hours for any single internship.



**4930. Directed Research (1-6).** Pr., permission of advisor. Independent research into criminal justice problems, issues and theories. Credit may not exceed 3 hours for any single project.

**4970. Special Topics in Justice and Public Safety (0-3).** Pr., JUST 1150 or JUST 1270. In-depth examination of specific topics of current interest in criminal justice, public safety and paralegal education. Course may be repeated as topics change.

## Early Childhood Education (ECHE)

**3000. Introduction to Early Childhood Education (4).** Pr. Departmental approval required. This course focuses on the field of Early Childhood Education with an emphasis on theory and developmentally appropriate practices. The role of teacher, curriculum, teaching strategies, and assessment will be examined.

**3100. Methods of Teaching the Very Young Child (3).** Pr., admission to professional education. A foundation for teaching the child from birth to 3 years of age through review and interpretation of sound child development practice. Planning and developing an appropriate environment and curriculum are emphasized. Field experiences are provided.

**3200. Methods of Teaching Preschool (3).** Pr., admission to professional education; ECHE 4914 to be taken concurrently. A study of early childhood education with an emphasis on the teacher and the pre-primary curriculum from 3-5 years of age.

**4203. Families and Communities (3).** This course focuses on diverse needs of the child in family, school and community. Diverse cultures, abilities, language and communication including English as a Second Language in the early childhood environment and other community institutions are addressed.

**4213. Literacy Instruction for Young Children (4).** Pr. Departmental approval required. The study of young children's literacy development including oral/written language development, emergent literacy, reading fluency, comprehension, phonics, assessment, and reading-writing connections. Different theories and philosophies regarding children's language/literacy development will be addressed.

**4914. Practicum in Early Childhood Education (3).** Developmentally appropriate practices in the areas of language arts, mathematics, science, social studies, and health and physical education are included in this clinical experience. Taken concurrently with ECHE 3200.

**4924. Professional Internship in Childhood Education (9).** Pr., admission to professional education and departmental approval. Developmentally appropriate practices in the areas of language arts, mathematics, science, social studies, and health and physical education are included in this clinical experience.

## Economics (ECON)

**2000. Essentials of Economics (3).** Provides the background for a basic understanding of our economic system. Examines supply and demand, institutions in the US system, the role of government and the world economy. Will not substitute for ECON 2010 or ECON 2020. For non-business majors only.

**2010. Economics I (Micro) (3).** Pr., MATH 1050, or MATH 1100, or MATH 1120 or MATH 1150, or equivalent. An introduction to basic principles of economics and the methods of microeconomics analysis. Topics include microeconomic analysis of the market forces of supply and demand, price determination, market structure, cost and production specialization and trade and notion of economic efficiency.

**2017. Economics I (Micro) - Honors (3).** Pr. Appropriate grade in MATH 1100 or MATH 1120 or equivalent or appropriate score on the mathematics placement test and admission to Honors Program. Enhanced version of ECON 2010.

**2020. Economics II (Macro) (3). Pr., Appropriate grade in ECON 2010.** Macro-economic analysis of aggregate trends and problems that include macroeconomic in- stability and business cycle, inflation and unemployment, government stabilization policies both fiscal and monetary, the balance of payment and trade and long-run economic growth.

**2027. Economics II (Macro) - Honors (3). Pr., Appropriate grade in MATH 1100 or MATH 1120 or equivalent or appropriate score on the mathematics placement test and admission to Honors Program.** An enhanced version of ECON 2020.

**2030. Micro-Economics for Public Policy (3). Pr., MATH 1100 or equivalent, or appropriate score on AUM Mathematics Placement test, or department head approval.** This course presents microeconomic theory and applications of consumer and producer behavior and welfare analysis at an introductory level. In addition to standard competitive models, we study deviations due to externalities, asymmetric information, and imperfect rationality.

**2970. Special Topics in Economics (3).** Variable content in Economics. This course might be repeated up to 6 hours as long as the subject is different each time.

**3010. Contemporary Economic Problems (3). Pr., ECON 2000 or ECON 2010, junior standing.** An intensive analysis of specific, current business and economic problems of major importance.

**3050. Issues in Global Trade and Finance (3). Pr., Min. grade of D in all of the following: ECON 2010 and ECON 2020.** A study of the global nature of our economy and the effects of the global economy on public policy and business decision making. Focuses on effects of global environment on domestic product markets, labor markets, resource markets and financial markets.

**3500. Labor Economics (3). Pr., ECON 2020, junior standing.** A theoretical and institutional examination of the labor market, including wage theories, unionism, the economics of collective bargaining and problems of insecurity.

**3520. Comparative Economic Systems (3). Pr., ECON 2000 or ECON 2010, junior standing.** An analysis of the rival economic doctrines of capitalism, socialism and communism. Focus on alternative versions of the market system that exist currently.

**3540. History of Economic Thought (3). Pr., ECON 2000 or ECON 2010.** The development of economic ideas, principles and systems of analysis from early times to the present.

**3600. Money and Banking (3). Pr., ECON 2020, junior standing.** Money, credit and banking, including consideration of monetary systems, foreign exchange and commercial banking with relation to the Federal Reserve System. This course is taught at Alabama State University.

**3700. Economic Analysis and Methods (3). Pr. ECON 2010 and ECON 2030 and ECST 2760 or department head approval.** Introduces students to topics in linear algebra and multivariable differential calculus suitable for economic applications. Students will also be introduced basic econometric theory and their application to economics issues. Topics to be covered are linear algebra, differential calculus, and econometric theory.

**3710. Economics Forecasting and Data Analysis (3). Pr., ECON 2010 or ECON 2030 and ECON 2020 and ECST 2760 or department head approval.** This course is designed to cover the forecasting process and the techniques in order to prepare you adequately in accordance with the growing need for such skills in the real-world. This course will focus on applications. Several forecasting techniques and software programs will be introduced in this course.



**3800. Topics in Ecological Economics: What Color of Green? (3). Pr., junior standing.** An exploration of the often divergent viewpoints of economists and ecologists over environmental issues. Issues of interest include economic development, environmental preservation, government regulation and international environmental conflicts. Same as BIOL 3800.

**3850. Booms and Busts in Twentieth-Century America: A Macroeconomic History of the U.S. in the World Economy (3). Pr., ECON 2000 or ECON 2020.** A study of macroeconomic concepts and principles and analysis of important events and trends. Economic theory and analysis are applied to world complexities. Investigation of political-economic history and the nature of decision making and their intended and unintended consequences.

**4050. International Institutions and Contemporary Trade Policy (3) Pr., ECON 3050.** An examination of the role of international institutions in the global marketplace. Topics will include the role of the International Monetary Fund (IMF) in international financial markets; the roles of the IMF and the World Bank in stabilization and development strategies; an examination of contemporary trade policy within the context of the World Trade Organization, including the importance of intellectual property rights. The course will rely heavily on case studies.

**4100. Intermediate Macroeconomics (3). Pr., ECON 2020, junior standing.** Studies aggregate forces in an economy that seeks the goals of full production, full employment, price stability and growth. Topics include economic growth, the business cycle, issues in monetary and fiscal policy, balance of payments and exchange rate analysis.

**4110. Intermediate Microeconomics (3). Pr., ECON 2010, junior standing.** The study of how prices, output and size of plant are determined within varying economic market organizations.

**4200. Chinese Economy (3). Pr., ECON 2010 and ECON 2020; junior standing.** This course covers the contemporary Chinese Economy and is designed to highlight the unique characteristics of its development and the nature of its explosive growth since the implementation of market system economic reforms of 1978. The topics to be covered include China's growth, characteristics of Chinese financial and foreign trade sectors, the significance of FDI on Chinese economic transition, and the prospects for long-term growth. The course objectives are to provide the students a practical understanding of business prospects in China and to also offer them insight into potential future issues facing the Chinese Economy.

**4270. Managerial Economics (3). Pr., ECON 2010, junior standing.** Decision theory and criteria for decision making concerning output, pricing, capital budgeting, scale of operation, investment and inventory control. Attention given to concepts of profits, production and cost functions, competition and equilibrium for the firm and industry.

**4300. Industrial Organization (3). Pr., ECON 2010, junior standing.** The focus of this course will be on applying micro-economic principles to understand and improve the behavior of firms in areas such as: the analysis of competition, entry decisions, positioning, theory of the firm, business strategy, incentives, boundaries of the firm, etc.

**4310. Games and Strategy (3). Pr., ECON 2010 and ECON 2020; junior standing.** The focus of this course will be learning basic principles of strategic thinking and applying them to real world situations. Topics covered include: Static Games of Complete Information, Dominant Strategies, Nash Equilibrium, Dynamic Games of Complete Information, Backward Induction, etc.

**4350. Sports Economics (3). Pr. ECON 2000 or ECON 2010 or PHED 4360 or department head approval.** This course will apply economic principles to selected aspects of professional and collegiate sports and sport leagues. It is intended to help students understand the business side of sports, how economics impact managerial decision making, and how it affects the games seen at the stadium or in the arena. Duplicate credit will not be allowed for ECON 4350 and PHED 4450.

**4600. Law and Economics (3).** Pr. **ECON 2000 or ECON 2010.** Survey of the law and legal institutions (including law enforcement) from an economic perspective. Topics include property, contracts, torts, criminal and constitutional law, efficiency of common law and efficient allocation of law enforcement resources.

**4650. Public Finance (3).** Pr., **ECON 2010, junior standing.** A study of principles of taxation, government expenditures and fiscal policy in the American economy.

**4660. Welfare Economics (3).** Pr., **ECON 2010 or ECON 2030 and ECON 2020 or department head approval.** This course presents economic theory on how the society as a whole ranks and chooses between different alternatives. It focuses into the area of normative economics analyzing objectives a society may want to pursue, mechanisms designed to reach the objectives, and the resulting welfare of individuals affected by the choices made. Different economics theoretical tools will be presented and used in this course to analyze the economic welfare impacts.

**4700. International Economics (3).** Pr., **ECON 3050, junior standing.** Survey of basic theory and institutions of international trade, including supply and demand in trade, tariff analysis, customs unions, trade policy, foreign exchange market, international monetary management, balance of payments and trade and international adjustment mechanism. Analysis of current problems.

**4800. Senior Seminar in Economics (3).** Pr. **ECON 4100 and ECON 4110 or department head approval.** Economic analytical methods are applied to important economic issues confronting society. Students will employ theory and methods learned in previous Economics classes. The course will assess the students' ability to employ economic reasoning in discussion, written exercises and reports, and in-class presentations.

**4900. Independent Study (1-3).** Pr., **junior standing, department head approval.** Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Economics (1-3).** Pr., **departmental approval.** Provides students with the opportunity to gain valuable insight through practical accounting experience so they may better correlate their academic experience with a professional, real-world environment. Business or major elective credit.

**4970. Special Problems/Special Topics (3).** Pr., **junior standing.** Variable content in economics within the classroom setting. May be repeated up to 6 hours.

**5500. Health Economics (3).** Pr., **ECON 2010 or Department Head approval.** Health Economics is a growing field in economics and is heavily interrelated with many industries and disciplines. The field deals with many topics varying from health related behaviors to how health care markets function. Students will be exposed to economics methods and theoretical tools to analyze the health sector and health related choices that people make.

## **Economic Statistics (ECST)**

**2760. Statistics for Social Sciences 1 (3).** Pr. **MATH 1100, MATH 1120, MATH 1150 or department head approval.** The purpose of ECST 2760, is to introduce the student to basic methods of presenting and analyzing social science data. Topics to be covered are: Descriptive Statistics, Probability Distributions, Sampling Distributions, Confidence Intervals, Hypothesis Testing, Analysis of Variance and Linear Regression.

## **Elementary Education (ELEM)**

**3000. Teaching Creative Arts (3).** Pr., **ENGL 1010 or instructor approval.** Methodology of teaching music and art to children in grades K-6. Teaching techniques methods and materials are studied and evaluated.



**3400. Methods of Teaching Elementary Social Studies (3).** Pr., admission to professional education. Curriculum, methods, strategies and materials related to teaching social studies in the elementary school. Focus is on integrating the curriculum. Field experiences are provided.

**3914. Practicum in Education (3).** Pr., admission to professional education. Practicum in Education is an independent directed study of field experience to be determined.

**4100. Methods of Teaching Elementary Mathematics (3).** Pr., MATH 1310, MATH 1320, admission to professional education. Curriculum, methods and materials appropriate to teaching mathematics in the elementary school. Particular emphasis is on discovery approaches and active involvement with materials to teach mathematical concepts. Field experiences are provided.

**4200. Methods of Teaching Elementary Science (3).** Pr., admission to professional education. Curriculum, methods and materials related to teaching science in the elementary school. Although discovery strategies are stressed, multiple teaching strategies are presented. Field experiences are provided.

## Engineering (ENGR)

**1110. Introduction to Engineering (2).** Pr., Grade C or better in ENGL, Co-requisites: MATH 1610 and ENGL 1020. Professional engineering history, modern branches, standards and licensing. Introduction to engineering design and computer software packages. Communication (written, oral and graphical) in engineering. Collaboration and teamwork in engineering projects.

## English (ENGL)

**0103. Introduction to Composition.** Elements of composition and language conventions for writing practice with in-depth support and review. Will not substitute for ENGL 1010 or ENGL 1020. In order to receive credit for ENGL 0103, course must be passed with a CR or higher. Credit for ENGL 0103 is in addition to minimum degree requirements.

**1010. English Composition I (3).** Pr., adequate performance on departmental tests, ACT English score of 18 or passing ENGL 0100. The essentials of composition and rhetoric.

**1015. English Composition, International (3).** Pr., permission of instructor. The essentials of composition and rhetoric.

**1017. English Composition I, Honors (3).** Pr., permission of instructor. The essentials of composition and rhetoric.

**1020. English Composition II (3).** Pr., ENGL 1010, with a minimum grade of C. The essentials of composition and rhetoric, with study of research skills.

**1027. English Composition II, Honors (3).** Pr., ENGL 1017, with a minimum grade of C and permission of instructor. The essentials of composition and rhetoric, with study of research skills.

**2500. English as a Field of Study (3).** Pr. ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. Introduces students majoring in English to the possibilities and approaches of the discipline, the methods of computerized and library research and (through guest lectures) the members of the English faculty.

**2530. Survey of English Literature I. (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher. English literature from Beowulf through the 18th century.

**2540. Survey of English Literature II (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher. English literature from the beginning of the 19th century to the present.

**2570. Survey of American Literature I (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. American literature from the beginning to 1860.

**2580. Survey of American Literature II (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. American literature from 1860 to the present.

**2600. Survey of World Literature I (3).** Pr. ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. World literature from the Ancient World to the seventeenth-century. Occasional emphasis on Western, Eastern, or other world traditions as determined by instructor.

**2610. Survey of World Literature II (3).** Pr. ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. World literature from the Ancient World from the seventeenth-century to the present. Occasional emphasis on Western, Eastern, or other world traditions as determined by instructor.

**3004. Professional Writing for Educators (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each courses. The essential skills of written communication in the field of education, with practice in report writing, letters and other forms of research and professional communication.

**3005. Professional Writing for Nurses (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English Composition grade of C or higher in each course. The essential skills of written communication in the field of nursing, with practice in report writing, letters and other forms of research and professional communication.

**3012. Topics in Creative Writing (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. Instruction in writing and critiquing poetry, fiction, non-fiction, plays or screenplays. The focus announced at each scheduling of the course. Students read and discuss selected examples of relevant literature. Methods of publishing and fundamentals of the literary market studied. May be repeated twice for credit when the topics vary.

**3023. Special Topics in Literature and the Community (1-3).** Pr., junior standing and permission of the instructor. Study of literary works for depictions of the community and its components. Students work in community projects. The focus announced at each scheduling of the course. May be repeated once for credit when the topics vary.

**3030. Technical Writing (3).** Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course. Designed to help the pre-engineering and science majors organize and communicate technical information. Includes a series of short reports, a proposal for research and a longer researched report. Emphasis on research, style and organization strategies, with some attention given to visual presentations of information and interpretation of data.

**3040. Studies in Literature and Film (3).** Pr., Min. grade of C in: ENGL 1010 or ENGL 2027 and ENGL 1010 or ENGL 1017. Comparisons of British, American or European books, stories and films. Critiques the films for their literary values and evaluates the problems they present to writers and filmmakers. Focuses on specified genres, periods, directors and writers.

**3050. Strategies for Successful Writing (3).** Pr., ENGL 1010 and ENGL 1020. Instruction and intensive practice in writing non-fiction prose that informs, explains, or persuades with maximum clarity. Assignments often include such topics as book reviews, film analyses, op-ed editorials, process descriptions, grant applications, and in-depth research investigations.



**3060. Business and Professional Writing (3). Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher in each course.** The essential skills of written communication in a business environment, such as report writing, letters and other modes of business communication.

**3070. Introduction to Linguistics and formal English Grammar (3). Pr., ENGL 1010 and ENGL 1020, with the required university English composition grade of C or higher.** Develops a working knowledge of grammar and usage. May address teaching grammar and/or basic concepts in linguistics such as phonology, morphology, syntax, and semantics. May be repeated once for credit when the topic varies.

**3100. Contemporary Themes in Literature (3). Pr., ENGL 1010 and ENGL1020, with the required university English composition grade of C or higher.** The exploration of themes having modern-day interest through an examination of their treatment, stressing British and American literary works.

**3250. The Short Story (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** The development of the short story, particularly in America and England, from the early 19th century to the present.

**3280. Introduction to Literary Genres (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** The fundamentals and practice of literary analysis applied to the form and technique of a major literary genre – poetry, drama or fiction – including the terminology and kinds of works specific to it. May be repeated for credit with a different genre as the focus.

**3350. Literature and Myth (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** A study of the sources and subsequent expressions of major archetypal myths in Western literature.

**3710. Authors and Topics in British Literature (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** Studies in British literary works, focusing on subject matters, regions, ideas, techniques or movements and ranging from the Arthurian legend to the Bloomsbury Group to the contemporary scene. The topic announced at each scheduling of the course. May be repeated once when the topic varies.

**3720. Authors and Topics in American Literature (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** Studies in American literary works, focusing on subject matters, regions, ideas, techniques or movements and ranging from Transcendentalism to Yoknapatawpha County to the contemporary scene. The topic announced at each scheduling of the course. May be repeated once when the topic varies.

**3750. Authors and Topics in British and American Literature (3). Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher.** Combined studies in British as well as American literary works, focusing on trans- Atlantic subject matters, ideas, techniques or schools and ranging from Puritanism to Romanticism and Realism to the contemporary scene. The topic announced at each scheduling of the course. May be repeated once when the topic varies.

**4000. Special Topics in Literature (3). Pr., ENGL 1010/1017 and ENGL 1020/1027, with a required grade of C or higher.** Studies of literary works with a particular focus. The topic is announced at each scheduling of the course. May be repeated once when the topic varies. May be offered concurrently with ENGL 6000.

**4002. Four Genres: An Introduction to Creative Writing (3). Pr., C or better in ENGL 1010 and ENGL 1020.** An introduction to various genres of creative writing, providing students with experience in writing within each genre and enabling them to become more thoughtful writers in each genre.

**4010. Poetry Writing Workshop (3).** Pr., ENGL 1010 and ENGL 1020 with the required university composition grade of C or higher. Workshop designed to help students become more accomplished writers of poetry and more insightful readers of poetry.

**4012. Topics in Creative Writing (3).** Pr., ENGL 1010 and ENGL 1020. Introduction to a specific genre of creative writing, such as children's literature, songwriting, science fiction, etc. Students write in the genre and become more insightful readers of the genre. May be repeated twice when topics vary.

**4020. Fiction Writing Workshop (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both. Introduction to writing and critiquing fiction. This course will be conducted primarily as a workshop, centered on discussion of original student writing in order to explore topics involved in creating good fiction.

**4040. Creative Nonfiction Writing (3).** Pr., ENGL 1010 and ENGL 1020. Workshop designed to help students become more accomplished writers of creative nonfiction and more insightful readers of the genre.

**4050. Studies in English Grammar (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. A survey of the structure and grammar of English, with particular attention to the usage of the language for teachers and writers. May be offered concurrently with ENGL 6050.

**4060. Studies in Composition (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. Study of composition theory and the composing process for teachers and writers. May be offered concurrently with ENGL 6060.

**4070. History of the English Language (3).** Pr., C or better in both ENGL 1010 and ENGL 1020, or ENGL 1017 and ENGL 1027, junior standing. Development of the English language. May be offered concurrently with ENGL 6070.

**4080. Literary Criticism (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. A study of the history and fundamental principles of literary criticism from Aristotle to the present. May be offered concurrently with ENGL 6080.

**4090. Writing Across the Curriculum (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. Strategies and practice for incorporating writing into the learning process in all curricula. May be offered concurrently with ENGL 6090.

**4100. Pedagogy of Basic Writing (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. Strategies and practice for incorporating writing into the learning process in all curricula. May be offered concurrently with ENGL 6100.

**4120. Writing in Material and Digital Spaces (3).** Pr., Grade of C or better in ENGL 1010 and 1020, junior standing. Investigation and survey of various locations, media, and tools used in public writing and rhetoric. May be offered concurrently with ENGL 6750.

**4130. Studies in Mythology (3).** Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing. Examines the origin, nature and transmission of myth and the importance of myth to cultural traditions and cohesiveness. Focus varies, including the hero, gender images or myth in film. May be repeated twice when topics vary. May be offered concurrently with ENGL 6130.

**4140. Multilingual Composition and Teaching Diverse Populations of Students (3).** Pr. Min. grade of C in: ENGL 1010 an ENGL1020 or ENGL 1017 and ENGL 1027. This seminar course will help current and future college writing instructors to develop a critical understanding of the various theories and approaches to teaching diverse populations of students.



**4160. Chaucer (3). Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing.** The major works of Geoffrey Chaucer in Middle English. May be offered concurrently with ENGL 6160.

**4210. Poetry and Prose of the English Renaissance (3). Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing.** The nondramatic literature of the Tudor period, stressing the humanist poets and prose writers. May be offered concurrently with ENGL 6210.

**4230. The Inklings: Literary Friendship, Fantasy, and Philosophy (3). Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing.** A study of the writings of the "Inklings," a group of authors who worked in and around Oxford, England in the mid twentieth century, including C.S. Lewis, J.R.R. Tolkien, Owen Barfield, and Charles Williams.

**4240. Studies in Literature and Film (3). Pr., C or better in ENGL 1010 and ENGL 1020. Junior standing or higher.** Considers the relation of the written text of literary works to film versions from a wide variety of genres, authors, times, and cultures. Students critically analyze filmic representations of the literature and the cultural context from which these emerge. May be repeated once when topics vary. May be offered concurrently with ENGL 6240.

**4250. American Film History, 1914-1950 (3). Pr. ENGL 1010, ENGL 1020, and junior standing.** A history of popular film in the U.S. from the rise of the American silent film through the films of the post-World War II era. Students become acquainted with the work and themes of some of America's significant film directors and major genres of American popular film.

**4260. American Film History, 1950-present (3). Pr. ENGL 1010, ENGL 1020, and junior standing.** A history of popular film in the U.S. from the early 1950s through the present. Students become acquainted with the work and themes of some of America's significant film directors and major genres of American popular film.

**4270. Studies in Shakespeare (3). Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing.** A study of the plays of William Shakespeare. The topic will vary from semester to semester at the discretion of the professor. Education majors seeking certification in English/Language Arts must first complete ENGL 2530 and ENGL 2540. May be offered concurrently with ENGL 6270.

**4310. Poetry and Prose of the 17th Century (3). Pr., ENGL 1010 and ENGL 1020, C or better in both, junior standing.** The nondramatic literature of the 17th century, with an emphasis on Milton, the Metaphysical poets and important prose writers. May be offered concurrently with ENGL 6310.

**4360. The Bible as Literature (3). Pr., ENGL 1020, with the required university composition grade of C or higher.** Historical-critical analyses of selected books from the Old Testament: What was their historical context, how were they composed, and what did they mean to their original audience? May be offered concurrently with ENGL 6360.

**4410. 18th-Century Poetry and Prose (3). Pr., ENGL 1020, with the required university composition grade of C or higher, junior standing.** Selected British poetry and prose from the Restoration to the mid-18th century. May be offered concurrently with ENGL 6410.

**4430. British Fiction I (3). Pr., ENGL 1020, with the required university composition grade of C or higher, junior standing.** British fiction, particularly the novel, from Daniel Defoe to Jane Austen. May be repeated twice when topics vary. May be offered concurrently with ENGL 6430.

**4510. The English Romantic Movement (3). Pr., junior standing.** A study of Romantic poetry from Blake through Keats. May be offered concurrently with ENGL 6510.

**4530. British Fiction II (3).** Pr., ENGL 1020, with the required university composition grade of C or higher, junior standing. A study of the major writers, particularly the novelists, of the 19th century. May be repeated twice when topics vary. May be offered concurrently with ENGL 6530.

**4550. Victorian Poetry and Prose (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. The major poets and nonfiction writers from 1830 to 1890. May be offered concurrently with ENGL 6550.

**4620. Jewish Literature of the Holocaust (3).** ENGL 1010 and ENGL 1020, junior standing. Introduction to Jewish literature of the Holocaust, with in-class writings on the perception of the Holocaust. May be offered concurrently with ENGL 6620.

**4630. British Fiction III (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. Major British fiction writers, particularly novelists, of the 20th and 21st centuries. May be repeated twice when topics vary. May be offered concurrently with ENGL 6630.

**4710. American Poetry (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. A study of major American poets; the focus to be announced at each scheduling of the course. May be offered concurrently with ENGL 6710.

**4720. American Short Story (3).** Pr., junior standing. A study of major American short-story writers; the focus to be announced at each scheduling of the course. May be offered concurrently with ENGL 6720.

**4730. American Novel (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. A study of major contributions to the genre; the focus to be announced at each scheduling of the course. May be repeated twice when topics vary. May be offered concurrently with ENGL 6730.

**4740. Studies in American Drama and Theater (3).** Pr., junior standing. Topics in the history and major developments of American dramatic literature and the stage. May be repeated twice when the topics vary. May be offered concurrently with ENGL 6740.

**4750. Women and Literature (3).** Pr. C or better in ENGL 1010 and 1020 or ENGL 1017 and 1027. A study of literary texts by and about women to investigate women's experiences in history and society. May be repeated twice when topics vary. May be offered concurrently with ENGL 6750.

**4760. American Theater and Drama II (3).** Pr., ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. A study of major developments in the history of American theatre from 1929 to the present, emphasizing the works of playwrights such as O'Neill, Williams, Wilder, Hellman, Miller, Inge, and Albee. May be offered concurrently with ENGL 6760.

**4770. Studies in Southern Literature (3).** ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. Authors, works and literary movements associated with the American South, including Colonial writers, slavery and slave narratives, the Civil War, Southern Gothic or Southern women writers. May be repeated once for credit when topics vary. May be offered concurrently with ENGL 6770.

**4780. Studies in Children's Literature (3).** ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. Topics on theme, genre, narrative, character, popular reception, publishing history and other subjects relating to literature written for young audiences. Focus varies with each course offering. May be repeated once when topics vary. May be offered concurrently with ENGL 6780.



**4790. Ethnic Literature of the United States (3).** Pr. C or better in ENGL 1010 and ENGL 1020 or ENGL 1017 and ENGL 1027. A study of literary texts by and about ethnic writers in the United States to investigate minority experiences in American history and society. May be repeated twice when topics vary. May be offered concurrently with ENGL 6790.

**4810. Modern Poetry (3).** ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. Studies of 20th-century poets and poetic movements of England and America, along with European influences. May be offered concurrently with ENGL 6810.

**4820. Studies in American Literature (3-4).** ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. Topics illustrating selected experiences, voices and themes of U.S. authors, including ethnic identities and literary movements. Focus varies with each course offering. May be repeated twice when the topics vary substantially. May be offered concurrently with ENGL 6820.

**4830. Studies in British and American Literature (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. Topics combining British and American literary works and examining themes, movements or other phenomena that illustrate trans-Atlantic connections. Focus varies with each course. May be repeated twice when topics vary. May be offered concurrently with ENGL 6830.

**4840. Studies in Literary Form (3).** ENGL 1010 and ENGL 1020, with the required university composition grade of C or higher, junior standing. Topics in the development and artistry of a genre such as essay, autobiography, letter, travel narrative, literary biography or diary and journal. May be repeated twice when topics vary. May be offered concurrently with ENGL 6840.

**4850. Studies in Drama (3).** ENGL 1020, with the required university composition grade of C or higher, junior standing. Examination of a sub-genre or period of drama, such as tragedy, Restoration comedy, 18th-century British drama or modern drama, to be specified for each course scheduling. May be repeated twice when topics vary. May be offered concurrently with ENGL 6850.

**4860. Studies in Medieval Literature (3).** Pr., junior standing. A study of English and selected Continental literature from the Old English elegy through Morte D'Arthur. May be offered concurrently with ENGL 6860. May be repeated twice for credit when topics vary.

**4870. Studies in British Literature (3).** Pr. Min. grade of C in both ENGL 1010 and ENGL 1020. Topics illustrating selected experiences, voices and themes of British authors, including literary movements. Focus varies with each course offering. May be repeated twice when the topics vary substantially. May be offered concurrently with ENGL 6870.

**4880. Writing About Literature (3).** Pr. Grade of C or better in ENGL 1010 and 1020, junior standing. Examines literature scholarship from a rhetorical perspective and offers strategies and practices for writing about literature in the classroom. May be offered concurrently with ENGL 6880.

**4900. Independent Study (1-3).** Pr., Junior standing. Variable content as determined by faculty member outside of the classroom setting.

**4924. Internship in Writing and Editing (1-6).** Pr., junior standing and 6 hours in upper-level rhetoric, writing, linguistics or editing courses, departmental approval. On-the-job training in editing, word processing, drafting or other duties of an assistant editor. The student's progress is monitored by a supervising professor.

**4935. Directed Creative Writing (1-6).** Pr., ENGL 1010, ENGL 1020, and ENGL 4010 or ENGL 4020 or ENGL 4040, departmental approval. Advanced specialized creative writing course for students who have successfully completed ENGL 4010, ENGL 4020, or ENGL 4040. Students work individually or in small groups with the instructor on projects in poetry, fiction, or creative nonfiction. May be repeated twice when genres vary.

**4962. Readings in English (1-6).** Pr., ENGL 1020, with the required university composition grade of C or higher, departmental approval. Individual study programs in literature or language as determined by the instructor and student. A minimum of two written assignments required. May not duplicate regular course offerings.

**4972. Special Topics in Research and Writing (1-3).** Pr., ENGL 1010, ENGL 1020, with the required university composition grade of C or higher, junior standing and permission of instructor. Instruction and practice in specialized fields of research and writing, such as advanced scholarly projects, archival studies, computer research, grant proposals or community publications. Focus varies with each course. May be repeated for credit twice when topics vary.

**4973. Editing and Editors (3).** Pr., ENGL 1020, with the required university composition grade of C or higher, junior standing. Instruction and practice in the art of editing in several styles for varied purposes. May, at the discretion of the instructor, involve an internship or conferences with practicing editors. Emphasizes university press, trade book publisher and/or feature magazine approaches. May be offered concurrently with ENGL 6973.

## English as a Foreign Language (EHFL)

**1000. Living in the U.S.A. (4).** Introduction to living, studying and working in the U.S.A. Restricted to international students. May not substitute for courses with ENGL prefix.

**1010. English as a Foreign Language 1 (3).** Beginning course in English for students with little or no proficiency. Class develops students' listening, speaking, reading and writing. Restricted to international students whose native language is not English. May not substitute for courses with ENGL prefix.

**1020. English as a Foreign Language 2 (3).** Pr., EFL 1 or TOEFL exam score of 350-500. A continuation of EHFL 1010. Class continues development of students' listening, speaking, reading and writing in English. Restricted to international students whose native language is not English. May not substitute for courses with ENGL prefix.

## Environmental Science (ENSC)

**1000. Introduction to Environmental Science (1).** Introduction to the principles of environmental science, including the scientific method, ecology, energy, environmental policy, and an examination of current environmental issues. Emphasis will be placed on examining human activities and understanding their impacts on ecological systems.

**2952. Seminar in Environmental Science (1) PR. ENSC 1000.** Students meet weekly to discuss assigned readings. Readings will vary from term to term. Students may be asked to write summaries, make presentations, or otherwise demonstrate mastery of the material. May be repeated for up to 4 hours of credit, but only 1 hour will apply to major requirements.

**4003. Species Distribution and Conservation (4).** Pr. MATH 1050, MATH 1100 or MATH 1120 or MATH 1150 or MATH 1610. This course introduces students to the theoretical and practical aspects of species distribution modeling. Species distribution modeling describes/predicts the geographic distribution of organisms based on its associations with environmental parameters.

**4013. Landscape Ecology (4).** Pr., MATH 1050, MATH 1100, MATH 1120, MATH 1150 or MATH 1610. The key focus of this course is to understand how a diverse set of ecological processes change and interact across different spatial scales. This class will provide students with a broad overview of theoretical and applied issues within Landscape Ecology.



**4030. Global Ecology and Biology (3).** Pr., GEOG 3950, BIOL 4200/4201 or BIOL 4203. Co-req., BIOL 4200/4201 or BIOL 4203. Patterns and processes driving ecological change including an understanding of biodiversity relevant to development of policy for management of natural resources. Includes a foundation in biogeography and macroecology with emphasis in the use of GIS and Remote Sensing, etc.

**4233. Tropical Disease, Environmental Change, and Human Health in Costa Rica (4).** This course emphasizes the biological and ecological nature of tropical diseases, human health outcomes resulting from changes to weather and ecosystems, and how the health systems in place in different countries deal with these diseases. Instruction is based on field-based, experiential learning.

**4413. South African Ecosystems and Diversity (4).** Pr., Min. grade of C in BIOL 1010, BIOL 1011, or BIOL 1017, BIOL 1018. Co-req. BIOL 4423, BIOL 4932. Accepted OTS students only. Part of a study abroad program in Costa Rica. Investigates issues facing tropical nations using concepts from the natural and physical sciences, the social sciences, and resource management.

**4433. Conservation and Management of Protected Areas in South Africa (4).** Pr., Min. grade of C in BIOL 1010, BIOL 1011 or BIOL 1017, BIOL 1018. Co-Req. BIOL 4443, BIOL 4932. Accepted OTS students only. Part of a semester abroad course in South Africa. management of wildlife and natural resources within the ecological, political, social, historical, and economic context of South Africa.

**4800. Perspectives in Environmental Science (3).** Pr., BIOL 1010, BIOL 1011. Allows the student to study a current topic not offered in the basic environmental science curriculum. Topics will vary and times offered will be irregular. May be taken two times for credit as topics vary.

**4924. Internship in ENSC (1-4).** Pr., Junior or senior standing and department approval. Internship allows students to experience environmental science applications in a workplace for elective credit. Students will have both a faculty sponsor and a preceptor at the worksite. Grade is satisfactory or unsatisfactory.

**4932. Directed Research in Environmental Science (1-4).** Pr. Departmental approval. Undergraduate environmental science majors conduct research under supervision of Environmental Science Faculty. Faculty must agree to sponsor the research for 1-4 hours of elective credit.

**4952. Environmental Science Capstone (3) PR. ENGL 1010 or ENGL 1017 or HONR 1757 C or better.** A writing-intensive course required of all graduating seniors. Students may be asked to write term papers, make presentations, or prepare individual or group projects.

**4970. Special Topics in Environmental Science (1-4).** Instruction and discussion in a selected topic in Environmental Science. The course may be offered for 1-4 hours of elective credit.

## Finance (FINA)

**2000. Foundation of Business and Personal Finance (3).** This course provides a foundation in business finance for students interested in enhancing their business knowledge and skills. Topics include the basics of financial statements, time value of money, bond and stock markets, and business project selection. This course may not be used to fulfill major degree requirements in the College of Business.

**3210. Personal Risk Management and Insurance (3).** Pr., Min. grad of C in: MATH 1050 or MATH 1120 and C or better in ENGL 1020, junior standing. A study of the risk management process using personal lines of insurance, including auto, home, life, health and disability.

**3230. Principles of Real Estate (3).** Pr., Min. grad of C in: ACCT 2020, ECON 2020, ENGL 1020, and MATH 1050 or MATH 1120. A study of the fundamental principles and practices as applied to the purchase, sale, lease, mortgage, title and management of real estate.

**3370. Personal Financial Planning (3).** Pr., Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, and MATH 1050 or MATH 1120 or MATH 1150, or FINA 2000; junior standing. Analysis of the personal financial needs of an individual at a certain point in the life cycle with information tools to make decisions in the areas of career, spending, saving, investing, insurance, retirement and estate planning.

**3500. Entrepreneurial Finance (3).** Pr. Min. grade of C in FINA 3610. This course introduces financial thinking, tools, techniques, structures, sources, and strategies used in ventures. This course focuses on a life-cycle approach from start-up stages to becoming a public company. Appropriate financing models are also presented.

**3610. Principles of Financial Management (3).** Pr., Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, and MATH 1120 or MATH 1050 or MATH 1610, MNGT 2410, BUSN 3060. Introduction to financial management emphasizing applications of finance theory. Topics include financial analysis, relationship between risk and rate of return, stock and bond valuation, capital budgeting procedures and working capital management.

**3620. Intermediate Financial Management (3).** Pr., FINA 3610. An examination and application of finance theory, including valuation models, capital structure and dividend policy.

**3650. Financial Institutions and Market (3).** Pr., FINA 3610. A comprehensive study of financial institutions and markets of the economy in general.

**4200. Financial Modeling (3).** Pr. Min. grade of C in FINA 3610. In this hands-on course students learn to build and apply financial models for financial analysis and decision-making. Topics may include company valuation, asset pricing, portfolio optimization and lending decisions.

**4600. Bank Management (3).** Pr., Min. grade of C in FINA 3610. A study of commercial bank operations and role in the global financial system. Topics include U.S. bank regulation, industry structure, management of assets, liabilities, capital, and analysis of bank financial statements.

**4640. Investment Analysis and Portfolio Management (3).** Pr., Min. grade of C in FINA 3610. Examination of a broad range of investment alternatives with emphasis on those most suitable for individuals; introduction to concepts of risk, security valuation and market behavior.

**4700. Short-Term Financial Management (3).** Pr., FINA 3610. To provide an interior and integrated treatment of cash management concepts utilizing evaluation and cash flow time lines as integrating themes along with appropriate technology.

**4750. International Finance (3).** Pr., FINA 3610. Analysis of theories and practices of international finance. Emphasis is on international monetary system, foreign exchange markets, foreign risk exposure, international banking, foreign trade financing and management of multinationals. Duplicate credit not allowed for FINA 4750 and FINA 6750.

**4800. Finance Seminar (3).** Pr., FINA 3610, FINA 3620. This course is designed to solidify the concepts and skills learned in corporate finance through the analysis of cases. Financial Forecasting, Cost of Capital, Rate of Return, Growth, DCF, Valuation, Mergers & Acquisitions, and Bankruptcy will be topics covered in various cases.

**4900. Independent Study (1-3).** Pr., junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Finance (1-3).** Pr., departmental approval. Provides students with the opportunity to gain valuable insight through practical accounting experience so they may better correlate their academic experience with a professional, real-world environment. Business or major elective credit.



**4970. Special Problems/Special Topics (3). Pr., junior standing.** Variable content in finance within the classroom setting. May be repeated up to 6 hours.

## **Foundations of Education (FNDS)**

**2010. Social Foundations of Education (4). Pr., ENGL 1010, ENGL 1020.** Required for all students in teacher education; provides introduction to education, including historical and philosophical foundations; the role of the school in American culture; and ethical, legal and professional issues. This class will be taught as writing intensive. Field experiences are required.

**2120. Child and Adolescent Growth and Development (3). Pr., FNDS 2010.** Provides an analysis of the function of the teacher and the school in directing, measuring and evaluating individual growth and development from birth to adolescence.

**2140. Educational Psychology (3). Pr., FNDS 2010.** Required for completion of teacher education program. Examines the psychological dimensions of the education process, conditions under which learning occurs, evaluation of learning and related teaching methods. Field experiences are required. Writing intensive sections are 4 hours.

**3200. Principles of Teaching in the Elementary Classroom (3). Pr., Admission to Professional Education.** The course provides the elementary education candidate with experiences leading to the development of values, confidence, assertiveness skills, and decision-making skills in classroom management. Candidates develop a comprehensive management plan for first year teaching. Includes a field experience.

**4010. Online/Internet Education Skills (3/4).** Skills necessary to succeed when taking online/Internet courses. May be taught concurrently with FNDS 6010.

**4800. Measurement and Evaluation (3). Pr., one methods course and admission to professional education.** Methods, procedures and evaluative instruments for determining teaching effectiveness, pupil learning, an attainment of educational goals in cognitive, psychomotor and affective areas. May be taught concurrently with FNDS 6800.

**4972. Research and Practices in Education (3).** Special undergraduate research projects related to education. Maximum credit 15 hours.

## **French (FREN)**

**1010. Elementary French I (4).** Basic language skills with emphasis on conversation. For students with less than two years of high school French. Exposure to culture. Multimedia computer lab required.

**1020. Elementary French II (4). Pr., FREN 1010.** Basic language skills with emphasis on conversation. Exposure to culture. Multimedia computer lab required.

**2010. Intermediate French I (4). Pr., FREN 1020 or two or more years of high school French or departmental approval.** Language skills, grammar review, reading in French culture, literature and history. Multimedia computer lab required.

**2020. Intermediate French II (4). Pr., FREN 2010.** Systematic review of problems in French grammar for speakers of English. Prepares students for conversation, composition and civilization in the third-year sequence. Multimedia computer lab required.

**3010. French Phonetics and Diction (3). Pr., FREN 2020.** Basic principles of French phonetics through sound recognition discrimination and intensive practice.

**3030. French Conversation (3).** Pr., FREN 2020 or departmental approval. Practice in spoken, everyday French, based on texts and situations concerning contemporary life, especially in France.

**3040. French Composition (3).** Pr., FREN 2020 or departmental approval. Practice in writing themes based on composition and translation.

**3100. Introduction to French Literature (3).** Pr., FREN 3030 and FREN 3040 or departmental approval. Provides grounding in basic analytical approaches, language and organizational skills needed to discuss French literature effectively and coherently orally or in writing.

**3110. French Culture (3).** Pr., FREN 2020. Consideration of topical aspects of the cultural heritage of France, as reflected in present day life patterns, traditions and institutions.

**3140. Survey of French Literature I (3).** Pr., FREN 3100 or departmental approval. The Middle Ages to the 1800s. Coherent and effective writing in French.

**3150. Survey of French Literature II (3).** Pr., FREN 3100 or departmental approval. Reading in French literature from the 19th-century to the present (prose, theatre and poetry), centered on a theme or topic.

**3230. Advance French Grammar (3).** Pr., FREN 2210. Practice in advanced French grammar and stylistics through the writing of compositions, reports, and letters.

**3240. Francophone Civilization (3).** Pr., FREN 3000 or departmental approval. Consideration of topical aspects of Francophone culture and heritage as reflected in current institutions and traditions.

**3310. Business French (3).** Pr., FREN 3000. Intensive practice in preparing commercial correspondence and reading contracts, agreements and related documents in French. Emphasis on the acquisition of a business-oriented vocabulary.

**4020. Advanced Grammar and Stylistics (3).** Pr., FREN 3040 and 9 hrs. of 3000-level French credit. Practice in writing and analyzing French texts, with emphasis on advanced grammar topics and stylistics.

**4030. French Continuing Conversation (1).** Pr., FREN 3030 and FREN 3040 or departmental approval. Continuing practice in spoken French to maintain and upgrade proficiency. Major credit will not be given for French majors. Course may be repeated for a maximum of 3 credit hours.

**4040. French Continuing Composition (3).** Pr., FREN 3030 and FREN 3040 or departmental approval. Continuing practice in written French to maintain and upgrade proficiency.

**4410. Advanced Topics in French Literature, Culture or Language (3).** Pr., FREN 3000-level courses or departmental approval. Advanced aspects of French literature or culture along with social, political and intellectual issues and cultural aspects of texts. Course may be repeated for a maximum of 3 credit hours.

## **French Study Abroad Courses**

**1000. Elementary French Abroad (4).** Pr., departmental approval. Course work at the elementary level, taken on an approved study program abroad. The student should consult with the French undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**2000. Intermediate French Abroad (4).** Pr., departmental approval. Course work at the intermediate level, taken on an approved study program abroad. The student should consult with the French undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.



**3000. Junior/Advanced French Abroad (4).** Pr., departmental approval. Course work at the junior/advanced level, taken on an approved study program abroad. The student should consult with the French undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**4000. Senior/Advanced French Abroad (4).** Pr., departmental approval. Course work at the senior/advanced level, taken on an approved study program abroad. The student should consult with the French undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

## General Education (EDUC)

**1220. AUM Student Success Course (4).** Provides instruction and skills associated with academic success and degree completion. Topics include, time management, learning styles, personal finances, library resources, and wellness, as well as reading, writing, and studying for college. Required for all Bridge Program participants.

## General Elective Credit (GENL)

**0000. General Elective Credit (0-12).** If, upon evaluation, a course is determined to have no direct Auburn University at Montgomery equivalent, and does not fall under a subject area taught at Auburn University at Montgomery, the course will be awarded credit in conjunction with a general elective credit (GENL) prefix.

## Geography/Geographic Information Systems - GIS (GEOG)

**2050. Geography of World Regions (3).** An analysis of world regional patterns of human and physical geographic characteristics. The course includes an examination of the twelve world regions: Europe, Russia, Central Asia, Middle East, North Africa, Sub-Saharan Africa, South Asia, East Asia, Southeast Asia, Oceania, Latin America, and North America.

**2150. Human Geography (3).** Analysis of the principles, concepts, and methods used in the study of human geography. Spatially examines contemporary world issues involving the geographies of population, urbanization, culture, development, resources, and political divisions.

**3843. Cartography with Lab (4).** This course is an introduction to mapping sciences and arts. Topics covered include the basics in mapping (scale, spatial reference systems, and projections), data acquisition and organization, key techniques for thematic mapping, and the principles of cartographic abstraction and design.

**3853. Intro to Geographic Information Systems with Lab (4).** Geographic Information Systems history and theory, spatial concepts, research design, computer cartography, data collection and entry, information, storage, relational database design, digitizing, raster/vector operations, GPS and GIS, remote sensing analysis, overlay operations, spatial statistics and predictive modeling, spatial queries, and GIS output.

**3970. Special Topics in Geography (3).** Pr., permission of instructor. Examines topics from a geographical perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 15 hours credit.

**4873. Geographic Information Systems for Health Professionals with Lab (4).** This course exposes students to methods and theory in GIS as applied to the geo-spatial distribution of wellness and healthcare. The course also investigates relationships between humans, diseases, healthcare providers, and physical environments.

**4883. Advanced Geographic Information Systems Database Design (4).** Pr., GEOG 3853 and GEOG 4950. Course covers advanced operations in database framework design, data creation and management, topological editing, automated scripts, workflow optimization, and symbolization.

**4913. Advanced Geographic Information Systems with Lab (4).** Pr., GEOG 3853. Geographic Information Systems history and theory, spatial concepts, research design, computer cartography, data collection and entry, information, storage, relational database design, digitizing, raster/vector operations, GPS and GIS, remote sensing analysis, overlay operations, spatial statistics and predictive modeling, spatial queries, and GIS output.

**4923. Python Scripting for Geographic Information Systems with Lab (4).** Pr., GEOG 3853, GEOG 4913. This course provides students using geographic information systems the skills necessary to write script in Python program language to accomplish repetitive or iterative tasks and statistical calculations.

**4924. Internship in Geographic Information Systems (1-3).** Pr., permission of instructor. Independent internship with a GIS professional. Provides students with an opportunity to gain valuable insight through practical GIS experiences in a workplace setting.

**4933. Geographic Information Systems and Urban Studies w/Lab (4).** A course in GIS applications in urban and community management, economic development, education, elections, districting, housing, and property evaluation, transit and transportation, land use and sustainability, crime analysis, emergency management, public works, utilities, and growth modeling.

**4943. Remote Sensing and GPS Applications Geographic Information Systems with Lab (4).** Pr., GEOG 3853, GEOG 4913. This course is an introduction to remote sensing technology. Lectures and lab exercises cover the basic theoretical and technical aspects of various remote sensing platforms and their integration with SPS and GIS to facilitate accurate characterization of the Earth's physical and human environment.

**4952. Applied Research in Geographic Information Science and Systems with Lab (4).** Pr., GEOG 3853, GEOG 4913, GEOG 4933. This is the capstone course for students seeking certification in GIS. The course provides an opportunity for students to demonstrate knowledge derived from four basic courses in GIS. Under faculty supervision, students design and carry out a major research project that incorporates topics relating to the history, philosophy, and science of spatial analysis. Prerequisite GEOG 3843, GEOG 3853, GEOG 4913 and GEOG 4943.

**4953. Spatial Statistics for GIS Professionals with Lab (4).** Pr. GEOG 3853. This course informs the students on methods and theory for quantitative analysis within the GIS environment. The statistical methods taught in this course will enable the student to characterize geospatial distributions of geographic features and entities and verify casual relationships.

**4963. 3D & Raster GIS with Lab (4).** The methods, theory, and applications employed to develop 3D objects in the GIS environment. This course covers raster conversion of vector data, grid surface, terrain and hydrological modeling, statistical surfaces, view-shed analysis, distance and density surfaces, and 3D or 4D visualizations.

**4972. Special Topics in Geography (4).** An examination of selected topics from a geographical perspective. Topics will be announced prior to the beginning of the semester. May be repeated for a maximum of 6-credit hours.

**4993. Geographic Information Systems and Environmental Management with Lab (4).** This course provides students exposure to methods and theory in GIS as they apply to the analysis of relationships between humans and their environments whether physical or social. Study focuses on the role GIS plays in environmental management.



## German (GERM)

**1010. Elementary German I (4).** Fundamentals of German language skills stressed. Exposure to Germanic civilization. For students with no previous background or less than two years of high school German. Multimedia computer lab required.

**1020. Elementary German II (4).** Pr., GERM 1010. Review of basic German grammar and vocabulary. Fundamentals of German language skills with progressive emphasis on conversation. Fulfills the School of Liberal Arts foreign language core requirement. Multimedia computer lab required.

**2010. Intermediate German I (4).** Pr., GERM 1020 or two years of high school German or departmental approval. Language skills stressed; structural review and composition; readings in German literature and German civilization. Multimedia computer lab required.

**2020. Intermediate German II (4).** Pr., GERM 2010 or departmental approval. Continued review of German grammar, syntax and vocabulary building. Additional work in composition; readings in German literature and civilization. Multimedia computer lab required.

**3010. Beginning German Composition and Conversation (3).** Pr., GERM 2010 or departmental approval. Concentration on developing skills in written and spoken German. Review of German grammar and syntax, vocabulary building. Work in German phonology.

**3020. Intermediate German Composition and Conversation (3).** Pr., GERM 3010 or departmental approval. Further development of skills in written and spoken German. Continued review of selected topics of grammar and syntax, vocabulary acquisition.

**3030. Advanced German Composition and Conversation (3).** Pr., GERM 3020 or departmental approval. Intensive practice and refinement of skills in written and spoken German. Strategies of vocabulary acquisition and retention.

**3100. Introduction to German Literature I (3).** Pr., GERM 2020 or departmental approval. Basic literary genres and major figures in German literature from the 18th- century to the present literary methodologies and bibliographical tools. Required of all German majors.

**3110. German Culture and Civilization I (3).** Pr., GERM 2020 or departmental approval. Social, political and cultural history of Germany from the Germanic tribes to 1945.

**3120. German Culture and Civilization II (3).** Pr., GERM 2020 or departmental approval. Social, political and cultural history of Germany from 1945 to the present.

**4110. Masterpieces of German Literature I (3).** Pr., GERM 3020 or departmental approval. Selected readings by representative authors from the periods of German Classicism, Romanticism, Naturalism and Realism.

**4120. Masterpieces of German Literature II (3).** Pr., GERM 3010 or departmental approval. Selected readings by representative authors from the periods of the 20th- century, Weimar Republic and Postwar Germany.

**4150. German Drama (3).** Pr., GERM 3000-level German courses or departmental approval. Consideration, analysis and criticism of selected German theater works by representative authors.

**4160. Contemporary German Literature (3).** Pr., GERM 3000-level German courses or departmental approval. Consideration, analysis and criticism of recent selected German literary works.

**4310. German for Business and Economics I (3).** Pr., GERM 2020 or departmental approval. Emphasis on speaking, listening, reading and writing skills in professional, commercial German. Familiarization with German and European business practices.

**4320. German for Business and Economics II (3).** Pr., GERM 4310 or departmental approval. Refinement of language proficiency skills. Active preparation for Prüfung Wirtschaftsdeutsch International, an examination recognized worldwide by business and industry.

## German Study Abroad Courses

**1000. Elementary German Abroad (1-9).** Pr., departmental approval. Course work at the elementary level, taken on an approved study program abroad. The student should consult with the German undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**2000. Intermediate German Abroad (1-9).** Pr., departmental approval. Course work at the intermediate level, taken on an approved study program abroad. The student should consult with the German undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**3000. Junior Advanced German Abroad (1-9).** Pr., departmental approval. Course work at the advanced level, taken on an approved study program abroad. The student should consult with the German undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**4000. Senior Advanced German Abroad (1-9).** Pr., departmental approval. Course work at the senior/advanced level, taken on an approved study program abroad. The student should consult with the German undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

## Greek (GREK)

**1010. Elementary Modern Greek 1 (4).** Fundamentals of Modern Greek language skills and an exposure to the history and culture of Modern Greece. For students with no previous background or less than two years of high school Greek. Multimedia computer lab required.

**1020. Elementary Modern Greek 2 (4).** Pr., GREK 1010. Continued study of the fundamentals of Modern Greek language skills and an exposure to the history and culture of Modern Greece. Multimedia computer lab required.

**1110. Hellenistic Greek (3).** Fundamentals of Hellenistic Greek language skills used by the writers of the New Testament, the Septuagint and a host of other texts from the Hellenistic period. For students with no previous background or less than two years of high school Greek.

## Health Sciences Interprofessional Collaboration (HSIC)

**4150. Informatics (3).** Pr. Faculty Approval - this course is not for Nursing Students. Introduction to informatics with a focus on application of healthcare information and computing technology. This is a writing intensive course.

## History (HIST)

**1010. World History I to 1648 (3).** A survey of world civilization from prehistory to 1648.

**1017. History 1010, Honors (3).** Enhanced version of HIST 1010.



**1020. World History II Since 1648 (3).** A survey of world civilization from 1648 to the present.

**1027. History 1020, Honors (3).** Enhanced version of HIST 1020.

**1060. Western Civilization to 1648 (3).** This course surveys the history of the west from its earliest beginnings to 1600. Students will explore competing views and voices in ancient and medieval western history that gave rise to the social and political systems, wars, economies, and cultures of western civilization.

**1067. Western Civilization to 1648, Honors (3).** An enhanced version of HIST 1060.

**1070. Western Civilization since 1648 (3).** This course surveys the history of the west from 1600 to the modern era. Students will explore competing views and voices pre-modern and modern western history that gave rise to the social and political systems, wars, economies, and cultures of western civilization.

**1077. Western Civilization since 1648, Honors (3).** An enhanced version of HIST 1070.

**2000. History Workshop (3).** An introduction to the academic study of history. Students will learn to use library and archival resources, analyze and utilize documents, write book reviews and short research papers, and cite sources correctly. Students will also learn about different fields of history. Required for majors.

**2010. United States History to 1865 (3).** A survey of the political, economic, social and intellectual movements and institutions of the United States from colonial times to 1865.

**2017. United States History to 1865 - Honors (3).** To offer Honors credit in U.S. History, just as is currently done for World History, particularly with U.S. History as a core course.

**2020. United States History Since 1865 (3).** A survey of the political, economic, social and intellectual movements and institutions of the United States from 1865 to the present.

**2027. United States History Since 1865 - Honors (3).** To offer Honors credit in U.S. History, just as is currently done for World History, particularly with U.S. History as a core course.

**3000. Prehistory of North America (3). Pr., ANTH 2110 or ANTH 2120.** Pre-history of North America, emphasizing peopling of the New World, earliest American Indian cultures and later regional developments from Pleistocene times until European exploration and conquest. (Same as ANTH 3000.)

**3010. Colonial America, 1607-1763 (3).** A study of the development of the political, social, economic and intellectual growth of colonial America.

**3020. The American Revolution, 1763-1789 (3).** A study of the events that led to the break with the mother country and the creation of an independent United States.

**3030. The New American Nation, 1789-1846 (3).** A study of the early decades of the American Republic, tracing the expansion of the country and the development of national institutions.

**3040. The Civil War and Reconstruction, 1846-1877 (3).** A study of the great crisis of the American nation, from the emergence of the issue of slavery in the territories through the Civil War to the end of Reconstruction.

**3050. The United States, 1877-1920 (3).** A study of the transformation of the United States from an agrarian society into an urban, industrial one and the accompanying social, political and intellectual developments.

**3060. The Development of Modern America, 1920-1953 (3).** A study of the changes in the United States under the pressures of cultural upheaval, the Depression, World War II and Cold War.

**3070. Recent America, 1953-present (3).** A study of the political, social and economic development of the United States since the presidency of Dwight D. Eisenhower.

**3120. The North American Indians (3).** Pr., ANTH 2100 or ANTH 2110. A cultural survey of native America. Description and analysis of the specific features of representative Indian cultures and cultural developments. (Same as ANTH 3120.)

**3130. American Labor History (3).** Pr., HIST 2020. This course examines the rise and fall of organized labor in the United States from a political, economic, social and legal perspective. Particular attention is given to labor's struggle with management.

**3170. World War I (3).** A study of World War I, its origins, military aspects and social, economic, political and intellectual consequences. The focus is on Europe and the United States.

**3180. World War II (3).** A study of World War II, its origins, military aspects and social, economic, political and intellectual consequences. The focus is on Europe, the United States and Asia.

**3210. Greek Civilization (3).** A study of Greek civilization from the Mycenaean era through the Hellenistic Golden Age to the incorporation of the Greek states into the Roman Empire. Emphasis is on the development of political, scientific, philosophic and literary concepts.

**3220. The Roman World (3).** A study of Rome from the founding of the Roman Republic in 509 B.C.E. to the fall of the Western Roman Empire in 476 CE, with emphasis on the development of Roman political, legal, intellectual and religious ideas.

**3230. Early Medieval Europe, 300-1000 (3).** Examines the major, political, religious and social themes that formed the foundation of early medieval society. Lecture and discussion format with in-class essay exams and analytical papers.

**3240. Medieval Europe, 1000-1500 (3).** Examines the major, political, religious and social themes of the Middle Ages, 1000-1500. Lecture and discussion format with in-class essay exams and analytical papers.

**3250. Early Modern Europe, 1648-1815 (3).** A study of political, social and intellectual developments in 17th and 18th-century Europe, with special emphasis on the consolidation of the nation-state and the rise of the European state system.

**3260. Modern Europe, 1815-Present (3).** A study of the major political, social and economic forces that shaped modern Europe, particularly nationalism and industrialism.

**3310. Ancient Philosophy (3).** Pr., HIST 1010, HIST 1020. A study of the Pre-Socratics, Plato, Aristotle and the philosophies of Epicureanism, Stoicism and Skepticism. (Same as PHIL 3310.)

**3320. Medieval Philosophy (3).** Pr., HIST 1010, HIST 1020. A study of Augustine, John Scotus, Abelard, Thomas, Duns Scotus, William of Occam and other philosophers of the Middle Ages. (Same as PHIL 3320.)

**3330. Modern Philosophy (3).** Pr., HIST 1010, HIST 1020. A study of major philosophers of the period, including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. (Same as PHIL 3330.)

**3340. 20th-Century Philosophy (3).** Pr., HIST 1010, HIST 1020. A study of major philosophers of last century, including Moore, Russell, Wittgenstein, Carnap, Ayer and Sartre. (Same as PHIL 3340.)



**3400. Religions in the Roman Empire (3).** A survey of ancient Roman religions and their development in the Imperial period including the traditional cults, the Imperial Cult, Mithraism, Cybele, Saturn, Christianity and other Mystery Religions.

**3410. History of Early Christianity (3). Pr., Junior Standing.** A survey of the major developments of early Christianity beginning with the Jewish background to Jesus and ending with the Age of Justinian in the 6th century CE. The course focuses upon institutional and doctrinal developments in the context of ancient Mediterranean culture.

**3420. Medieval and Modern Christianity (3).** A survey of church history from Augustine of Hippo to the modern period, including church-state conflicts, theology, the Reformation, Pietism, Wesleyanism, Anglicanism, Vatican II, Baptist groups, Pentecostalism, Charismatic movement, Social gospel and Liberation theology.

**3430. Introduction to the Old Testament (3).** A survey course which examines the books of the Old Testament within their three major literary categories (Pentateuch, Writings, Prophets) with a focus upon historical context, authorship, genres, textual problems, and major themes.

**3460. Survey of the New Testament (3).** A survey course which examines the books of the New Testament within their major literary categories (Gospels, Acts, Epistles, Apocalypse) with a focus upon historical context, authorship, genres, textual problems, and major themes.

**3610. The World of the Bible (3).** A survey of the different cultures in the ancient Middle East from their origins ca. 3000 B.C.E. to the emergence of Rome, including Egypt, Sumer, Assyria, Babylonia, Persia, Syro-Palestine, Greece and Rome.

**3620. The Crusades (3).** A study of the expeditions by Western Europeans to the Near East during the High Middle Ages, with special emphasis on religious, political, economic, intellectual and military changes experienced by all participants.

**3630. The Middle East: From Muhammad and the Rise of Islam to World War I (3).** A view of those intellectual, social, economic and political factors that led to the rise of Arab, Islamic and Ottoman civilizations, their declines and the imposition of European colonial power in the Middle East.

**3640. The Modern Middle East: World War I-Present (3).** An assessment of the legacy of European colonialism, superpower competition and the development of indigenous nationalism in the modern Middle East with an emphasis on present political problems.

**3670. Africa to 1800 (3).** A survey of the political, social and economic development of Africa and its interaction with other regions of the world from the origins of humankind to the Atlantic slave trade.

**3680. Africa Since 1800 (3).** A study of Africa in the last two centuries, focusing on the abolition of the slave trade, the colonial era, African nationalism, decolonization and independent Africa's progress and problems.

**3710. Imperial China to 1644 (3).** A survey of Chinese history from classical antiquity to 1644, emphasizing social, political, economic and intellectual developments in the imperial period. Designed to introduce basic concepts of traditional China.

**3720. Modern China, 1644-Present (3).** A study of the political, economic and cultural developments of China from the Qing dynasty to the People's Republic, focusing on the search by the Nationalist and Communist Parties for means to create an independent and modern nation.

**3740. Pre-modern Japan to 1850 (3).** An introduction to pre-1850 Japan, focusing on long-range social developments and the linkages between higher culture, polity, economy and environment.

**3750. Modern Japan, 1850-Present (3).** A study of the political, social, cultural and economic aspects in the making of modern Japan.

**3800. New World Civilizations (3). Pr., ANTH 2110.** A survey of the prehistory of Mexico, Peru and adjacent areas, tracing the development of state-level societies from the earliest inhabitants to European contact. The Teotihuacan, Aztec, Mayan and Peruvian cultures emphasized. (Same as ANTH 3800.)

**3830. The Cold War and Latin America (3)** A study of internal changes in Latin America as it was increasingly drawn into the international arena after World War II, with special consideration of such problems as military governments and human rights, drug trafficking, economic dislocations and migration.

**3840. The United States and Latin America (3).** A study of U.S. relations with its hemispheric neighbors, examining the goals of Latin Americans as well as those of their policymakers and analyzing the tensions arising from inequalities of wealth and power, American interventions, the Cold War and drug trafficking.

**3850. Central America and the Caribbean (3).** An examination of the sources of unrest and revolution in this region of Latin America. Emphasizes the problems of dependent economic development, the prominent role of the U.S. and the origins of nationalism during the 19th and 20th centuries.

**3940. Historical Methods (3).** An examination of the techniques and methods employed in the research and writing of history with an emphasis on developing research skills using archival sources and government documents. Also an emphasis on development computer skills, including word processing and data base research.

**3970. Special Topics in History (3).** Special topics in historical periods or themes. Consult Schedule of Classes for current offerings.

**4010. The American South to 1865 (3). Pr., junior standing.** A study of the growth and development of the distinctive political, economic, social, cultural and ideological patterns of the South from 1607 to 1865. Concurrent with HIST 6010.

**4020. The American South Since 1865 (3). Pr., junior standing.** A study of the continuing growth and development of the distinctive political, economic, social, cultural and ideological patterns of the South since the end of the Civil War. Con- current with HIST 6020.

**4030. History of American Slavery (3). Pr., junior standing.** A survey of slavery in America from its introduction to the Civil War, with particular attention to the social structure and lives of black Americans and slavery's impact upon community life, politics and culture. Concurrent with HIST 6030.

**4040. The African American Experience since Emancipation (3). Pr., junior standing.** A study of the experience of American blacks since the end of the Civil War, including Reconstruction and the Civil Rights movement. Concurrent with HIST 6040.

**4050. The History of Alabama (3). Pr., junior standing.** Survey of the social, political and economic development of Alabama from the colonial era to the present. Concurrent with HIST 6050.

**4080. American Intellectual History to 1865 (3). Pr., junior standing.** Study of perceptions, ideas and values in American culture from colonial times to the Civil War. Primary sources emphasized. Concurrent with HIST 6080.

**4090. American Intellectual History Since 1865 (3). Pr., junior standing.** A study of perceptions, ideas and values in American culture since 1865 with a special emphasis on change and disruption. Primary sources emphasized. Concurrent with HIST 6090.



**4120. History of Religion in America (3). Pr., junior standing.** A survey of the religious experience in America, including consideration of the variety of religious traditions and how developments in religion have affected society, politics and culture since colonial times. Concurrent with HIST 6120.

**4140. History of American Business (3). Pr., junior standing.** A survey of the development of capitalist enterprise in the United States from the first European settlements to the present, including an examination of the impact of capitalist change upon society. Concurrent with HIST 6140.

**4150. American Diplomatic History (3). Pr., junior standing.** A survey of the principal forces bearing on the relationships between the United States and other countries from 1776 to the present. Concurrent with HIST 6150.

**4160. American Military History (3). Pr., junior standing.** A study of U.S. military policy, strategy and tactics from 1775 to the present. Concurrent with HIST 6160.

**4180. The Cold War (3).** The course examines the rise and fall of the conflict between the United States and the Soviet Union after the end of World War Two with focus on the origins of the confrontation, its expansion from Europe to the Third World, and the reasons for its demise.

**4190. American Historiography (3). Pr., HIST 2000.** A study of the development of historical writing in the United States, with emphasis on how particular scholars and schools of thought have had an impact on the intellectual life of the nation. Concurrent with HIST 6190.

**4230. Women in Medieval Society (3). Pr., junior standing.** Examines religious, political and social roles of women in the Middle Ages from about 500 to 1500. Lectures and discussion format with in-class essay exams and analytical papers. Concurrent with HIST 6230.

**4240. Witchcraft and Magic Before 1700 (3). Pr., junior standing.** Examines medieval, 16th and 17th-century European witchcraft and magic in its social, political, religious and legal context. Concurrent with HIST 6240.

**4250. Biographical Studies (3). Pr., ENGL 1020, and junior standing.** Explores biography as a historical genre from antiquity to the present. Concurrent with HIST 6250.

**4290. Non-American Historiography (3). Pr., junior standing.** A study of the development of historical writing outside the United States, with emphasis on how particular scholars and schools of thought have had an impact on the intellectual life of western civilization. Concurrent with HIST 6290.

**4310. The Renaissance (3). Pr., junior standing.** Examines the medieval background; the nature of the Renaissance; Renaissance society; the Latin Church; the Renaissance state and political theory; Italian and northern humanism; the expansion of Europe; and Renaissance of art. Concurrent with HIST 6310.

**4320. The Reformation (3). Pr., junior standing.** Examines religious and political background of the Reformation; the Roman and German churches; Martin Luther and the German Reformation; the French, Swiss and English Reformations; the Radical Reformation; and the Catholic Reformation. Concurrent with HIST 6320.

**4340. Medieval England (3). Pr., junior standing.** A study of the Middle Ages in England, especially the post-Conquest period, examining political, social, economic and religious institutions and changes up to the Tudor period in 1485. Concurrent with HIST 6340.

**4350. Pilgrimage in the Middle Ages (3). Pr., junior standing.** Examines the people, places and ideologies that played central roles in medieval Christian pilgrimage. Concurrent with HIST 6350.

**4360. Tudor-Stuart England (3). Pr., junior standing.** A study of the England of Henry VIII, Elizabeth I and James I, or more broadly, the 16th and 17th-centuries, with emphasis on social, political, economic, constitutional, religious and intellectual changes of lasting effect. Concurrent with HIST 6360.

**4380. Modern Britain (3). Pr., junior standing.** A study of the economic, social, political and cultural forces contributing to the development of contemporary Britain. Concurrent with HIST 6380.

**4400. France, 1787-1870 (3). Pr., junior standing.** Covering the period from the beginning of the Revolution until the fall of Napoleon III and focusing on the forces arising from the Revolution. Concurrent with HIST 6400.

**4410. Modern France, 1870-Present (3). Pr., junior standing.** A study of the uncertain course of republican government in France and some of the causes and consequences of this instability. Concurrent with HIST 6410.

**4420. The French Revolution and Napoleon (3). Pr., junior standing.** A study of revolutionary ideas and events in France and Europe from 1789 to 1815 with emphasis on the forces and factors causing revolution and reaction. Concurrent with HIST 6420.

**4450. Early Germany (3). Pr., junior standing.** A survey of the development of the Germanic peoples from Roman times to the end of the Napoleonic era, emphasizing the political structure of the Holy Roman Empire. Cultural and religious issues also discussed. Concurrent with HIST 6450.

**4460. Modern Germany (3). Pr., junior standing.** A study of German history from 1806 to the present, including German unification, political society in the Second Empire, the failure of democracy during the Weimar Republic, the rise of National Socialism and postwar developments. Concurrent with HIST 6460.

**4490. The Enlightenment (3). Pr., junior standing.** Examines intellectual and cultural developments in Europe from 1680 to 1789, including the social, religious, moral and political ideas of Enlightenment thinkers and the diffusion of Enlightenment values. Concurrent with HIST 6490.

**4500. The Industrial Revolution (3). Pr., junior standing.** A study of the development of industrialism and its consequences in Europe and other parts of the world. Concurrent with HIST 6500.

**4520. The Western Way of War, 1775-1920 (3). Pr., junior standing.** Examines and compares the major wars and military trends in Europe and the United States. Special focus on how the revolutionary forces of nationalism, democracy, and industrialization contributed to the emergence of modern and total warfare. Concurrent with HIST 6520.

**4530. Russia's Road to Revolution (3). Pr. ENGL 1010, ENGL 1020.** This class will explore Russia's path to revolution, roughly, from 1700-1917, with an emphasis on the intellectual movements and literature of the nineteenth century and the rise of revolutionary movements. Lecture and discussion based.

**4540. The Habsburg Empire (3). Pr., junior standing.** Examines the history of East Central Europe during the last phase of Habsburg history. The difficulties inherent in running a multi-national state provide the main focus of analysis. Concurrent with HIST 6540.

**4550. History of Russian-American Relations (3). Pr. ENGL 1010 and ENGL 1020.** This course will look at Russian-American relations from early contact through the Cold War. We will also look at the way each country viewed the other in popular culture. Many people think that the relationship between these two countries has always been contentious, but this is not the case.



**4560. Imperial Russia (3). Pr., junior standing.** A survey of Russian history from the rise of Kiev to the Emancipation of 1861. Traces Russian expansion under the leadership of Muscovy, focusing on Peter the Great, Catherine the Great and Russian involvement with Europe in the 19th-century. Concurrent with HIST 6560.

**4570. Russia and the Soviet Union (3). Pr., junior standing.** Survey of Russian history since 1861, examining the rise of a revolutionary movement and the development of the Communist state; including Soviet culture, foreign policy, governmental and economic structures. Concurrent with HIST 6570.

**4580. Technology in the Soviet Union (3). Pr., junior standing.** Explores the role of science and technology in Soviet ideology and policy and the precarious place of scientists and technical/ industrial specialists during the Soviet period, as well as effects of these programs/policies on humans and the environment. Concurrent with HIST 6580.

**4590. East Europe in the 20th-Century (3). Pr., junior standing.** An examination of the history of East Central Europe from World War I to the collapse of the communist regimes. Emphasis on comparative political and socio-economic development. Concurrent with HIST 6590.

**4600. The Russian Revolution (3). Pr. ENGL 1010, ENGL 1020.** This course will explore the origins, events, and aftermath of the Russian Revolution of 1917, both in Russia and around the world. Though there will be some lectures to create context, this class will be seminar style and discussion-based.

**4630. Israel and the Arab World (3). Pr., junior standing.** An examination of the development of Arab and Israeli nationalism and their transformation in the age of superpower rivalry in the region. Concurrent with HIST 6630.

**4640. South African History (3). Pr., ENGL 1020.** A study of the political, social and economic development of South Africa from the birth of a multiracial society in the 17th-century to the end of apartheid. Concurrent with HIST 6460.

**4641. Field Experience in South African History (1). Co-req., HIST 4640.** A field experience in the history and culture of South Africa, the challenges faced by an emerging democracy, and the implications for conservation and management of natural resources. Introduces students to the human history, culture, and social aspects of South African society.

**4650. Racial Segregation in South Africa (3). Pr., ENGL 1020.** An examination of South Africa's legalized system of racial discrimination from its origins in the 1940s to its demise in the 1990s. Concurrent with HIST 6650.

**4660. The Life and Times of Nelson Mandela (3). Pr., ENGL 1010, ENGL 1020.** A study of Nelson Mandela and the struggle for racial equality in South Africa, covering Mandela's early activism, imprisonment, efforts to achieve democracy upon his release, and his status as an international icon. Concurrent with HIST 6660.

**4690. Contemporary Africa (3). Pr., ENGL 1010, 1020.** A study of the key political, economic and social trends in Africa during the last 10 to 15 years. Concurrent with HIST 6690.

**4730. A History of Chinese Communism (3). Pr., junior standing.** An analysis of the Chinese Communists, rise to power and the political and social changes that have occurred since establishment of the People's Republic in 1949. Concurrent with HIST 6730.

**4770. Vietnam (3). Pr., junior standing.** An analysis of both traditional Vietnamese culture and the character of French and American involvement in the country. Concurrent with HIST 6770.

**4790. East Asian-American Relations since 1850 (3).** A study of political, economic and cultural interactions between the United States and East Asia (China and Japan) since 1850 with emphasis on mutual perceptions and images. Concurrent with HIST 6790.

**4800. Mexico Since 1810 (3).** An introduction to the national history of Mexico; examining Mexico's early development, economic and political instability, foreign intervention and civil war; including the Mexican Revolution and the consolidation of the single party state. Concurrent with HIST 6800.

**4810. Colonial Latin America (3). Pr., Junior standing.** A survey of European and native political, economic, religious and social developments and institutions from the era of conquest to the Wars of Independence in the 19th century.

**4820. Modern Latin America (3). Pr., HIST 2000.** A survey of the nations of Latin America from independence in the early 19th-century to the present, with emphasis on internal problems, reform movements and external relations with the United States and other countries.

**4850. The Holocaust (3). Pr., junior standing or permission of instructor.** Drawing on both historical and literary sources, the course examines some of the forces and ideas that culminated in the "Final Solution." Concurrent with HIST 6850.

**4924. Internship in History (3).** Provides students with the opportunity to gain valuable insight through practical experiences using history in a workplace setting.

**4962. Readings in History (3). Pr., junior standing.** Special reading tutorials or independent research projects may be proposed by students with a 3.0 GPA or better in history courses. Concurrent with HIST 6962.

**4972. Advanced Special Topics in History (3). Pr., junior standing.** Special advanced reading tutorials or independent research projects may be proposed by students with a 3.0 GPA or better in history courses. Concurrent with HIST 6972.

## **Homeland Security and Emergency Management (HSEM)**

**2200. Introduction to Homeland Security (3).** Introduction to homeland security focusing on the areas of prevention, protection, response/recovery, communications, and technology; an introduction to terrorism, including its history and evolution; examination of contemporary homeland security topics.

**2320. Introduction to Emergency Management (3).** Introduces concepts of emergency management. Students gain general understanding of how natural and man-made disasters threaten communities; explore role of emergency management and activities taken during the various phases of emergency management; mitigation, preparedness, response, and recovery.

**3400. Public and Social Media Information Management (3). Pr., HSEM 2320.** Considers value of communication before, during and after an incident; helps Public Information Officers identify critical audiences; emphasizes need to manage public information, approaches to keep the public informed during emergencies; how to guide media during man-made or natural disasters.

**4200. Disaster Preparedness (3). Pr., HSEM 2320.** Addresses principles of effective disaster response and recovery operations. Examines nature of disasters, roles and responsibilities of various actors. Addresses approaches to disaster management, range of needs of affected populations, and challenges of first responders and emergency manager.

**4330. Terrorism and Fear (3). Pr., HSEM 2200.** This course provides a broad overview of psychological effects of terrorism, including the generalized fear and anxiety experienced by the public.



**4370. Crisis Intervention (3). Pr., HSEM 2320.** Basic theories and principles of crisis intervention. Identifying and demonstrating techniques for intervening in various types of disaster and emergency management crisis situations. Examines assessment and diagnosis of psychological issues commonly found in crisis situations.

**4390. Intelligence and Information Dissemination (3). Pr., HSEM 2200.** Examines questions and issues facing U.S. intelligence community and its role in homeland security and defense. Studies policy, various issues affecting policy, oversight, and intelligence support to homeland defense/security and national decision-making. State and local levels also considered.

## **Human Resource Management (HRSM)**

**3150. Human Resource Management (3). Pr., BUSN 3060 and MNGT 3380 or MNGT 2000, junior standing.** Managing human resources effectively to implement organizational strategies and achieve objectives. The strategic role of human resources and the management of human resource planning, selection, training, performance evaluation, compensation, safety and labor/management relations.

**4000. Compensation Management (3). Pr., Appropriate grade in HRSM 3150, upper division standing.** The design and maintenance of employee pay and benefits systems that contribute to the effective implementation of organizational strategy. Emphasis upon internal equity, external competitiveness, employee motivation, ease of administration, legality and budgetary issues in compensation management.

**4050. Employment Law (3). Pr., Appropriate grade in HRSM 3150, upper division standing.** Examination of topics including wage and hour legislation, equal employment opportunity and civil rights, employee benefits and insurance, workers' compensation, occupational safety and health laws and employees' personal rights.

**4440. Labor/Management Relations (3). Pr., Appropriate grade in HRSM 3150, upper division standing.** Managing labor/employee relations in union/nonunion organizations for high performance; labor relations strategy, employee/management rights, collective bargaining, contract administration, dispute resolution and the legal environment.

**4500. Managing Reward Systems (3). Pr. HRSM 3150.** This course stresses the importance of linking reward systems and organizational strategies to improve outcomes. Various approaches to compensate employees are explained. Also, designing, implementing and administering reward systems for organizations are covered.

**4600. Employee Recruitment, Selection and Appraisal (3). Pr., Appropriate grade in HRSM 3150, upper division standing.** The theoretical and practical aspects of administering a staffing program. Topics include recruitment strategies, job analysis, psychometric theory and selection methods. In addition, the course covers the construction and administration of legally defensible performance appraisals.

**4610. Training, Development and Risk Management (3). Pr., Appropriate grade in HRSM 3150, upper division standing.** The theoretical and practical aspects of designing and administering a training and development program. Topics include needs assessment, training methods, evaluation, development safety and health.

**4890. Strategic Human Resource Management (3). Pr. Min. grade of C in: HRSM 3150 and HRSM 4440 OR HRSM 4500 and HRSM 4600 OR HRSM 4610.** This capstone course emphasizes how the management of human resources fosters the implementation of business strategies to achieve organizational goals. It will include case studies and exercises, HR in practice, important current issues, and guest speakers in the human resources field. It also will include global HRM; the role of HRM in organizational change, mergers and acquisitions; the HR professional as a consultant; and other important topics such as HR performance metrics and sustainability. The Course also will focus upon how the HR manager can serve as a strategic partner in an organization.

**4900. Independent Study (1-3).** Pr., junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Human Resource Management (1-3).** Pr., departmental approval. Provides students with the opportunity to gain valuable insight through practical human resource management experience so they may better correlate their academic experience with a professional, real-world environment. Business or HRSM elective credit.

**4970. Special Problems (3).** Pr., junior standing. Variable content in human resource management within the classroom setting. May be repeated up to 6 hours.

## **Information Systems (INFO)**

**2000. Foundations of Management Information Systems (3).** This course introduces the management of information systems. The development, management, control, protection, and maintenance of information systems is covered from both technical and non-technical/user perspective. The strategic impact of technology on the individual, organization and society is examined. This course may not be used to fulfill major degree requirements in the College of Business.

**2010. Java I (3).** Pr., Min. grade of C in INFO 2050 and MATH1050 or MATH 1120 or MATH 1150. An introduction to the Java programming language. It includes coverage of Java fundamentals, program control, classes and objects presentation, and Graphical User Interface development.

**2050. Computer Applications in Business (3).** This course is designed to provide the student with knowledge and experience with Microsoft Office applications for use in better decision-making. It should increase the student's productivity through the use of computer resources as demonstrated by the completion and submission of selected computer assignments in areas requiring the usage of an operating system, a word processor, a spreadsheet, a database, and presentation software.

**2070. Introduction to Management Information Systems (3).** Pr., CSCI 1000, INFO 2050 or equivalent, or permission of the dean. Introduction to the management of information computer-based systems. The development, management, control, protection and maintenance of information systems is covered from both the technical and non-technical/user perspective. The strategic impact on the individual organization and society is examined.

**2100. Network Operating Systems (3).** Pr., Min. grade of C in INFO 2050 or departmental approval. An introduction to network and multi-user operating systems using UNIX with a focus on system administration. The course includes system security. Some coverage is given to administration in Windows.

**2200. Object Oriented Design Fundamentals (3).** Pr., INFO 2050 or departmental approval. An introduction to object-oriented design concepts. Emphasis is on design of software using non-programming development tools like Alice.

**2210. C++ I (3).** Pr., Min. grade of C in: MATH 1050 or MATH 1120 or MATH 1150. An introduction to the C++ programming language. It includes coverage of structured and object-oriented programming in C++, software reuse, and component-oriented software construction.

**2300. COBOL I (3).** Pr., INFO 2070. Introduction to COBOL with programming problems and systems of increasing complexity. Include development of program logic, structured programming concepts and history of COBOL applications. Emphasis is on logic and COBOL language and structure.



**2410. Visual Basic I (3).** Pr., Min. grade of C in: INFO 3070, ENGL 1020 or ENGL 1027 and MATH 1050 or MATH 1120 or MATH 1150. An introduction to the Visual Basic language. Includes control structures, arrays and strings.

**3010. Java II (3).** Pr., Min. grade of C in INFO 3000. Advanced programming concepts and techniques in the Java language. Includes advanced data structures, exception handling, inheritance, polymorphism, web applications and database applications.

**3070. Managing Systems, Technology, and Data (3).** Pr. Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, BUSN 3060, and MATH 1050, or MATH 1120 or MATH 1150. Introduces the management information systems concepts from an enterprise-wide perspective by exploring the integration of information systems to support real-time decision making in a global business environment with an emphasis on creating, collecting, and analyzing data in current information systems.

**3100. Information Technology Applications (3).** Pr., INFO 3070 and MATH 1050 or MATH 1120 or MATH 1150. A survey of applications of computerized management information systems in operations management. Includes the application of business software to problems in operational areas of management.

**3210. C++ II (3).** Pr., INFO 3200. Advanced programming in the C++ language. Includes object-oriented programming, data structures and GUI programming.

**3310. COBOL II (3).** Pr., INFO 2300. Advanced programming in the COBOL language. Includes data structures, file management and object oriented programming.

**3410. Visual Basic II (3).** Pr., INFO 3400 or INFO 3500. Advanced programming in the Visual Basic language. Includes object-oriented programming, data structures and GUI programming.

**3500. Survey of Computer Languages (3).** Pr., INFO 2070, junior standing. A study of specialized languages as they are applied to business information processing.

**3550. Data Structures (3).** Pr., Min. grade of C in: INFO 2300, or INFO 3200 or INFO 3500. The study of structures and techniques used in representing and operating the logical relationship among elements of information. Examines the methods by which higher level languages implement such structures and facilitate such techniques.

**3560. Database Systems (3).** Pr., Min. grade of C in INFO 3070. An initial study of database systems with a focus primarily on relational databases and SQL. The data- base concepts, data modeling, and database implementation will be covered.

**3620. Advanced Programming Concepts (3).** Pr., Min. grade of C in INFO 2300, and INFO 3500, junior standing. A continuation of INFO 2300 and INFO 3500. Addresses advanced file techniques, sub-programs, linking to modules written in other languages, overlay structures, object oriented libraries and network functionality.

**3700. Data Communications (3).** Pr., Min. grade of C in INFO 3070. This course is designed to provide students with an understanding of the technical and management aspects of business data communications and network management. Students will gain an understanding of how the wired and wireless infrastructures work, how the internet works, and how applications use networks.

**3800. Web Application Development (3).** Pr., Min. grade of C in INFO 3000. This course will introduce modern approach to Web development that prepares students to design web pages with W3C standard. HTML5 is covered in detail for building web pages using a web page development environment.

**3810. Mobile Application Development (3).** Pr., Min. grade of C in INFO 3800. Development of applications for mobile devices on multiple platforms.

**3890. Introduction to Software Management (3).** Pr., Min. grade of C in INFO 3560, junior standing. A study of the principles of software management, software development methodology, paradigms and techniques. Practice of the principles of software management through application to an actual software management case.

**3950. Project Management Foundations (3).** Pr. MNGT 3380 and upper division standing. This course teaches project management principles, phases, processes, and planning across a variety of organizations, industries, and stakeholder groups. This course also explores the various careers associated with project management.

**4000. Network Design and Administration (3).** Pr., Min. grade of C in INFO 3700, senior standing. Introduces the responsibilities and skills for a network administrator. Integration of a company's telecommunications systems, including local area, metropolitan area, wide area and voice networks. An introduction to telecommunications and data communications network designs.

**4100. Data Storage Technology Concepts (3).** Pr., Min. grade of C in INFO 3700 or departmental approval. An overview of technologies and methodologies used to electronically store and manage data using Storage Area Network, Network Attached Storage and other technologies. The course combines lecture and labs. Duplicate credit is not allowed for both given for both INFO 4100 and INFO 6140.

**4150. Advanced Data Storage Technology Concepts (3).** Pr., Min. grade of C in INFO 4100. Advanced concepts, technologies and methodologies used to electronically store and manage data using Storage Area Network, Network Attached Storage and other technologies. The structure of the course combines lecture and labs. Duplicate credit is not allowed for INFO 4150 and INFO 6150.

**4200. Disaster Recovery and Contingency Planning (3).** Pr., Min. grade of C INFO 3070, senior standing. This course identifies fundamental planning principles and practices used to develop and maintain an effective IT contingency and disaster recovery plan. This course provides a foundation for evaluating information systems and organizational operations to determine contingency requirements and priorities needed to develop a disaster recovery plan. Duplicate credit is not allowed for both INFO 6200 and INFO 4200.

**4300. E-Commerce and Data Communications (3).** Pr., Min. grade of C in: INFO 3070, ENGL 1020, and MATH 1050 or MATH 1120 or MATH 1150. Covers the tools, technologies and social and business implications of electronic commerce via the Internet. Also includes the management of network resources, as well as the legal and security issues associated with conducting business over the Internet. Duplicate credit is not allowed for both INFO 4300 and INFO 6300.

**4400. Network Security and Legal Issues (3).** Pr., INFO 3700, senior standing. Security and control aspects of distributed data networks with particular reference to both global and national information infrastructures. Underlying security technologies considered for the protection of enterprise networks. Course also covers current legislation affecting network security and management.

**4410. Advanced Network Security.** Pr. INFO 3700 and INFO 4400 with a minimum grade of C. In-depth look at information security concepts and apply them through a variety of hands-on exercises. Through the assigned readings and lab exercises, students will develop critical thinking and technical skills within the domain of information security. This course equips the student with a portfolio of skills that lay a foundation to become a competent, professional information systems practitioner and manager.

**4560. Database Administration (3).** Pr., INFO 2070 and senior standing. A study of the administrative issues of database systems. Course covers installation of database systems, creation and enforcement of access controls, backup and recovery techniques and optimization and tuning. Duplicate credit is not allowed for both INFO 4560 and INFO 6560.



**4600. Systems Analysis (3).** Pr., INFO 2300 or INFO 3000 or INFO 3200 or INFO 3400 or departmentally approved language, junior standing. Analysis and initial design of information flow systems for management control and decision-making, including coordination of flows from all functional area of the business enterprise.

**4650. Computer Simulation for Business Decisions (3).** Pr., Min. grade of C in: INFO 3070, ENGL 1020, and MATH 1050 or MATH 1120 or MATH 1150. Introduction to numerical techniques necessary for conducting experiments on a digital computer, which involves certain types of mathematical or logical models that describe the behavior of a business or economic system.

**4700. Systems Design and Implementation (3).** Pr., INFO 3560 and INFO 4600, senior standing. Application of computer programming and system development concepts, principles and practices to system development design. Topics include I/O specifications, program coding, file organization, implementation and testing, documentation and performance measurement and control.

**4750. Software Quality Assurance I (3).** Pr., INFO 3890, senior standing. A study of basic concepts of configuration management and its role in controlling software evolution, maintaining product integrity, change control and version control and organizational structures for configuration management.

**4780. Systems Analysis, Design and Implementation (3).** Pr., Min. grade of C in: INFO 3000 and INFO 3560, senior standing. Analysis, design and implementation of information flows for management control and decision-making. Use of systems development concepts, principles and practices with emphasis on problem identification, requirements structuring, and solution generation in theory and in a business project.

**4800. Information Systems Project Management (3).** Pr., Min. grade of C in: INFO 3000, INFO 3560 and INFO 3700, senior standing. Introduces the concepts and practices of information systems (IS) project management. Develops knowledge of how to successfully plan and manage IS projects including the ability to define project scope, create workable project plans, and manage projects with quality, budget, and schedule in mind. Addresses the organizational, managerial, and political issues associated with project management.

**4850. Software Quality Assurance II (3).** Pr., INFO 4750, senior standing. A study of methods and techniques for elementary proof of correctness, code and design reading, structured walkthroughs and test plans including test plan generation, acceptance testing, unit testing, integration testing and regression testing.

**4900. Independent Study (1-3).** Pr., junior standing, department head approval. Variable content as determined by faculty outside of the classroom setting. May be repeated up to 6 hours.

**4920. Professional Internship (3).** Pr., departmental approval. Provides students with practical experience using various computer applications within a professional- al, real-world environment.

**4924. Internship in Information Systems (1-3).** Pr., departmental approval. Pro-vides students with the opportunity to gain valuable insight through practical information systems experience so they may better correlate their academic experience with a professional, real-world environment. Business or information systems elective credit.

**4970. Special Problems/Special Topics (3).** Pr., junior standing. Variable content in information systems within the classroom setting. May be repeated up to 6 hours.

**5300. E-Commerce and Mobile Technologies (3).** This course will enable the student to understand the current state of e-business and follow its new development, identify e-business opportunities and develop business models for such opportunities, and examine the importance of e-shopping, social media, mobile computer, and consumer adoption.

**5550. Data Mining Methods and Application (3).** This course will examine the process of data preparation, mining methods, and how to mine data using current programming tools. Topics include data selection, cleaning, coding, using different data mining and machine learning techniques, and visualization of the generated structures. Students will develop hands on experience developing supervised and unsupervised data mining algorithms and will learn how to employ these techniques in context of various business applications.

**5860 Managing Sustainability (3).** This course is designed to expose students to current thinking regarding sustainability and its implications for organizations and their managers. It will cover key issues such as green technologies, hazardous technological material disposal, recycling strategies and other environmental issues.

**5880 Data Analytics for Competitive Advantage (3).** This course is an introduction to the use of Business Analytics and big data as a strategic resource. A focus is placed on integrating the knowledge of analytics tools with an understanding of how companies leverage data analytics to gain strategic advantage. The key areas of customer analytics and surveys of data mining techniques and applications will also be covered. Case approach is used to emphasize hands-on learning and a real-world view of Business and big data analytics.

## **Instructional Technology (INST)**

**1000. Introduction to Computer Literacy (1).** Education majors only. Fundamental computer skills are covered. The SOE electronic portfolio system is introduced and students set up SOE e-portfolio and contribute introductory information. Mac and PC platforms are used.

**4703. Educational Technology (3).** Provides an overview of the materials and skills needed to use computers effectively in an educational setting. Students will become familiar with the use of new technologies and the programming languages most often used in educational settings.

## **Interdisciplinary Studies (IDSC)**

**4000. Interdisciplinary Studies Capstone (3) Pr., Senior standing.** For Inter-disciplinary Studies majors only. Production of a major interdisciplinary project and other projects that demonstrate command of subject matter and/or methods.

## **International Studies (INTL)**

**2010. Introduction to Global Competence (3).** Students will investigate factors that have created a more interconnected and interdependent world while considering the sources of this complexity, and develop skills, knowledge and understanding that will make them more effective as future global leaders.

**2020. French Culture (3).** French culture from Middle Ages to the present, as reflected in France's history, literature, arts, and political and economic development. Emphasis on the social, artistic, spiritual, political, and economic forces that shaped French culture and world cultures.

**2030. Hispanic Culture (3).** Hispanic culture from the Middle Ages to the present, as reflected in Spain's history, literature, arts, and political and economic development. Emphasis on social, artistic, spiritual, political, and economic forces that shaped Hispanic culture and its contribution to world cultures.

**2040. German Culture (3).** German culture from the Middle Ages to the present, as reflected in Germany's history, literature arts, and political and economic development. Emphasis on social, artistic, spiritual, political, and economic forces that shaped German culture and its contribution to world cultures.



**2050. Geography of World Regions (3).** An analysis of world regional patterns of human and physical geographic characteristics. The course includes an examination of the twelve world regions: Europe, Russia, Central Asia, Middle East, North Africa, Sub-Saharan Africa, South Asia, East Asia, Southeast Asia, Oceania, Latin America, and North America. (Same as GEOG 2050.)

**2060. Asian Cultures (3).** East Asian cultures (Japanese, Chinese, Korean) as reflected in the nations' histories, literature, arts and political and economic development. Emphasis on the social, artistic, spiritual, political and economic forces that shaped East Asian cultures and their contributions to world cultures.

**2070. Canada's Four Cultures (3).** Studies through film and text the interplay among Canada's four main cultural groups: Aboriginal people (Native Canadians and Inuit), English-Canadians, French-Canadians, and immigrant groups.

**2110. Cultural Anthropology (3).** A study of the ways of life among preliterate and literate peoples. Special attention given to a comparative analysis of preliterate societies throughout the world. (Same as ANTH 2110.)

**2150. Human Geography (3).** Analysis on the principles, concepts, and methods used in the study of human geography. Spatially examines contemporary world issues involving the geographies of population, urbanization, culture, development, resources, and political divisions. (Same as GEOG 2150.)

**2520. Latin American and Third World Literature (3).** Pr., ENGL 1020. Survey of Latin American and Third World literature in translation from the beginnings of colonialism to the present.

**2530. Oriental and Middle Eastern Literature (3).** Pr., ENGL 1020. Survey of Oriental and Middle Eastern literature in translation.

**2540. World Detective Fiction (3).** Pr., ENGL 1020. A study of Detective Fiction from various countries. In translation.

**2600. Survey of Literature of the Western World I (3).** Pr., ENGL 1020. Survey of ancient, medieval and Renaissance literature.

**2610. Survey of Literature of the Western World II (3).** Pr., ENGL 1020. Survey of 17th, 18th, 19th and 20th-century Western literature.

**3000. Introduction to International Studies (3).** Pr., ENGL 1020. An inter-disciplinary course that focuses on cultural differences that influence attitudes, assumptions and behavior, especially as they affect intercultural communications (same as COMM 3000).

**3010. Special Topics in International Studies (3).** Focus announced at each scheduling of the course. May be repeated for credit as topic changes. (May be taught in English or in target language.)

**3020. French Culture (3).** French culture from the Middle Ages to the present, as reflected in France's history, literature, arts and political and economic development. Emphasis on social, artistic, spiritual, political and economic forces that shaped French culture and its contribution to world cultures.

**3030. Hispanic Culture (3).** Hispanic culture from the Middle Ages to the present, as reflected in Spain's history, literature, arts and political and economic development. Emphasis on social, artistic, spiritual, political and economic forces that shaped Hispanic culture and its contribution to world cultures.

**3040. German Culture (3).** German culture from the Middle Ages to the present, as reflected in Germany's history, literature, arts and political and economic development. Emphasis on social, artistic, spiritual, political and economic forces that shaped German culture and its contribution to world cultures.

**3240. Francophone Civilization (3).** Consideration of topical aspects of Francophone culture and heritage as reflected in current institutions and traditions.

**3510. Road to the French Revolution from Tartuffe to Dangerous Liaisons (3).** Pr., ENGL 1020. French literature of the 17th and 18th centuries, tracing the decline of the French nobility to the eve of Bastille Day. In translation.

**3520. Survey of Latin American and Third World Literature (3).** Pr., ENGL 1020. Survey of Latin American and Third World literature in translation from the beginnings of colonialism to the present.

**3530. Survey of Asian Literatures (3).** Pr., ENGL 1020. Survey of Literatures in translation from Asia, including China, Korea, Japan, Vietnam, India, Indonesia, the Philippines. Depending on student and professor interests, the readings may focus on one country or region. May be repeated once for credit as readings change.

**3540. World Detective Fiction (3).** Pr., ENGL 1020. A study of detective fiction from various countries. In translation.

**4010. The New Europeans (3).** Pr., HIST 1020. The development of the European Union. Emphasis on the cultural, political and economic forces of the various member nations that have combined to shape the European Union.

**4020. Cold War Culture: Literature, Drama and Film 1947-89 (3).** Pr., HIST 1020. Focus on the effects of the Cold War on literature, drama and film in the United States and in Europe from 1947 to 1989.

**4030. Hispanic Fiction (3).** Pr., junior standing. A study of selected works of six to 10 major Spanish and Latin American writers such as Cervantes, Unamuno, Azorin, Cela, Garcia Marquez, Borges, Rulfo and Vargas Llosa. May be repeated once for credit as readings change.

**4040. European Fiction (3).** Pr., junior standing. A study of the selected works of six to 10 major European writers, such as Goethe, Stendhal, Balzac, Flaubert, Tolstoy, Dostoevsky, Proust, Mann and Camus. May be repeated once for credit as readings change.

**4070. Canada's Four Cultures (3).** Pr., ENGL 1020. Studies through film and text of the interplay among Canada's four main cultural groups: Aboriginal peoples (Native Canadians and Inuit), English-Canadians, French-Canadians and immigrant groups.

**4090. Translation (3).** Pr., three years college credit in one language or equivalent. A study of the problems, techniques and technology involved with bi-directional translation. Emphasis on applying methods and technology to translating short texts (literary, business and health documents). May be repeated once for credit.

**4400. Advanced Topics in International Studies (3).** Pr., junior standing or consent of instructor. Period or topic courses in International Studies, the exact emphasis announced at each course offering. May be repeated as emphasis changes.

**4900. Independent Study in International Studies (1-3).** Pr., consent of instructor. Individual study programs in foreign language, culture or literature as determined by the instructor and student. Can be taken as an approved study abroad program. (May be taught in English or in the language native to the student's field of study.)



## Japanese (JAPN)

**1010. Elementary Japanese I (4).** This course aims to develop communicative skills based on the fundamentals of grammar, vocabulary, and conversational expressions. Speaking, listening, reading and writing will be developed, including the Hiragana and Katakana writing systems, and about 170 Kanji (Chinese characters).

**1020. Elementary Japanese II (4).** Pr., JAPN 1010. This course furthers the development of communicative skills based on the fundamentals of grammar, vocabulary, and conversational expressions. Speaking, listening, reading, and writing will be developed, including the Hiragana and Katakana writing systems.

**2010. Intermediate Japanese I (4).** Pr., JAPN 1020. This course, along with JAPN 2020, will strengthen students' foundation in Japanese listening, speaking, reading and writing. Students will be able to handle successfully a variety of uncomplicated, basic and communicative tasks. Classes will be conducted as much as possible in Japanese.

**2020. Intermediate Japanese II (4).** Pr., JAPN 2010. This course will strengthen students' foundation in Japanese listening, speaking, reading, and writing. Students will be able to handle successfully a variety of uncomplicated, basic and communicative tasks. Classes will be conducted as much as possible in Japanese.

**3030. Japanese Conversation (4).** Pr., JAPN 2020. Development of pronunciation and conversation on an intermediate advanced level, including topics dealing with day to day life as well as current events. Further development of speaking, listening, reading, writing and cultural knowledge.

**3040. Japanese Composition (4).** Pr., JAPN 2020. Study of advanced syntax through reading and composition exercises in various styles of Japanese writing. Further development of speaking.

## Kinesiology - See Physical Education

## Korean (KORE)

**1010. Elementary Korean I (4).** This course, along with KORE 1020, is designed for the students who have had no or very little knowledge of Korean to acquire 5 skills: listening, speaking, reading and writing Korean language and to be familiarize to its culture. The goal of this course is to master survival skills in Korean.

**1020. Elementary Korean II (4).** Pr., KORE 1010. This course, along with KORE 1020, is designed for the students who have had no or very little knowledge of Korean to acquire 5 skills: listening, speaking, reading, and writing of Korean language and to be familiarized to its culture. The goal of this course is to master survival skills in Korean.

**2010. Intermediate Korean I (4).** Pr., KORE 1020. The course, along with KORE 2020, provides students with intermediate knowledge of Korean and practice of using Korean in a variety of everyday and more specialized situations, including the understanding and expression of opinions and different points of view.

**2020. Intermediate Korean II (4).** Pr., KORE 2010. The course provides students with intermediate knowledge of Korean and practice of using Korean in a variety of everyday and more specialized situations, including the understanding and expression of opinions and different points of view.

**3030. Korean Conversation (4).** Pr., KORE 2020. Continued training in understanding and speaking Korean at an advanced intermediate level, phonetics, vocabulary and further development of reading, writing and culture skills.

**3040. Korean Composition (4).** Pr., KORE 2020. Study of advanced syntax through reading and composition exercises in various styles of Korean writing. Further development of speaking, listening, reading and cultural knowledge.

## Latin (LATN)

**1010. Elementary Latin I (4).** For students with little or no knowledge of Latin. Fundamentals of reading and writing classical Latin literature.

**1020. Elementary Latin II (4).** Pr., LATN 1010 or departmental approval. Continuation of introduction to the knowledge and skills necessary for reading classical Latin.

**2010. Intermediate Latin I (4).** Pr., LATN 1020 or two years of high school Latin or departmental approval. Review of classical Latin grammar with reading of selections from Latin literature.

**2020. Intermediate Latin II (4).** Pr., LATN 2010 or departmental approval. Further review of classical Latin grammar with reading of selections from Latin literature.

**3110. Latin Literature (3).** Pr., LATN 2010 or departmental approval. Advanced reading in Latin prose and poetry. Course may be repeated with change in topic.

## Less Commonly Taught Languages (TLFL)

**1010. Special Topics in Foreign Language Study 1 (4).** Written proficiency in modern language not routinely taught at AUM will receive credit in passing. Contact coordinator of International Studies for details.

**1020. Special Topics in Foreign Language Study 2 (4).** Pr., TLFL 1010. Training in listening, speaking, reading, writing and culture in a foreign language announced at course scheduling. May be repeated for credit as target language changes.

## Management (MNGT)

**2000. Essentials of Management (3).** Non-business majors only. Application of management principles in organizations. Includes evolution of management theory, planning and goal setting, leadership organization theory, authority and group relations, motivation theory, communication, directing, decision making and managerial controls.

**2410. Legal Environment of Business (3).** Pr., Min. grade of C in ENGL 1010. Structure and operation of the legal system and its relationship to the modern business environment.

**3100. Management of Organizations (3).** Pr., Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, BUSM 3060, MATH 1050 or MATH 1120 or MATH 1150, or MATH 1610. Overview of the major theoretical and applied areas of managing the internal and external environments of business. The theoretical components provide the knowledge base needed to learn various applied managerial tools.

**3380. Managing Organizational Behavior (3).** Pr. Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, BUSN 3060, MATH 1050 or MATH 1120 or MATH 1150. This management course requires students to focus on managing individuals in organizations, specifically focusing on organizational behavior and human resource management. This course will cover the principles for managing the performance of individuals and groups in organizations, along with organizational behavior theory and its application to staffing, training, compensation, and appraisal.



**3420. Legal Aspects of Business Management (3).** Pr., Min. grade of C in: ENGL 1020, and MATH 1050 or MATH 1120 or MATH 1150. Legal principles for business persons and accountants, covering secured transactions, real property and negotiable instruments. Special emphasis is placed on the laws applicable to agencies (including the employer-employee relationship), partnerships and corporations.

**3460. Organizational Behavior (3).** Pr., Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MATH 1050 or MATH 1120 or MATH 1150 or MATH 1610. Basic grounding in the behavior sciences related to the management of people in organizations, the theories of managing employees and managerial practices that enhance the effective leadership and motivation of employees.

**4010. Entrepreneurship (3).** Pr., MKTG 3310, MNGT 3100, FINA 3610. Covers the entrepreneurial process from conception to birth of a new venture. Students learn how to evaluate and convert opportunities into a business. Students work in teams to write a business plan for a new business venture.

**4100. Business Ethics (3).** Pr., MNGT 3100. Research, discussion and evaluation of current ethical issues in business today. Designed to stimulate thought and discussion among business majors concerning the day-to-day ethical problems and decisions of the business world.

**4250. Managing Diversity (3).** Pr., MNGT 3100, upper division standing. An in-depth examination of the impact that employee diversity has on individuals, businesses and society. The course encourages students to look positively at all types of differences and view them as opportunities.

**4390. Small Business (3).** Pr., ECON 2010, ECON 2020, FINA 3610, MNGT 3100, MKTG 3310. Focuses on selected elements and issues which are critical to the success of starting and managing a small business, including getting started in a business, franchising opportunities, business plans, financial sources, etc.

**4500. Leadership for a Changing World (3).** Pr., MNGT 3100, upper division standing. Covers the most current management practices needed for organizational survival and excellence. Topics include reengineering, managing cultural change, managing innovation in a learning organization, teamwork and autonomous work groups.

**4670. Organizational Change and Development (3).** Pr., MNGT 3460. Concentrates on providing students with understanding, knowledge, skills and techniques to help individuals facilitate change in organizations. Strategies and tactics used in organizational and social developments in the past will be critically examined for their relevance to the future.

**4750. International Business Management (3).** Pr., ECON 3050, upper division standing. Shows how economic and financial factors influence the strategy formulation and management of a firm wishing to engage in international trade. Topics include managing culture's consequences, global human resource management, managing multinational enterprise and global strategic management.

**4760. International Law (3).** Pr., Min. grade of C in: ENGL 1020 and MATH 1050 or MATH 1120 or MATH 1150 or MATH 1610. A survey of domestic and foreign laws and treaties as they affect international business transactions.

**4800. Strategic Management (3).** Pr., Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, ECST 2750, MATH 1120 or MATH 1150 or MATH 1610, MNGT 2410, BUSN 3060, INFO 3070, FINA 3610, MKTG 3310, MNGT 3380, QMTD 3600, senior standing. Capstone course in the School of Business integrating the knowledge gained in the core business curriculum. Students develop the ability to think about how an organization can gain sustainable competitive advantage by crafting a business strategy.

**4900. Independent Study (1-3).** Pr., junior standing, department head approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Management (1-3).** Pr., departmental approval. Provides students with the opportunity to gain valuable insight through practical management experience so they may better correlate their academic experience with a professional, real-world environment. Business or management elective credit.

**4970. Special Problems/Special Topics (3).** Pr., junior standing. Variable content in management within the classroom setting. May be repeated up to 6 hours.

**5300 Issues in Sustainability (3).** Environmental issues regarding sustainability have become increasingly salient and important for all organizations as concerns increase regarding the environment in general. This course is designed to expose students to current thinking regarding sustainability and its implications for organizations and their managers. The course also covers the key issues of sustainable development in both the public sector and the private sector, green standards and practices, and strategic implications of sustainability. Students are given the opportunity to explore a sustainable development issue of interest to them in the context of a group project.

**5400 Managing the Legal Environment (3).** The essential features of managing the legal environment of a business, including the legal system and the law of contracts, employment and labor law and so forth, as they relate to the management function of U.S. and international business transactions.

**5410 Ethical/Social Responsibility (3).** Analysis of current ethical and social responsibility issues. Emphasis on the evaluation of ethical problems and social responsibility challenges facing business leaders.

**5600 Staffing Organizations (3).** An in-depth study of the human resource management staffing function. Course work includes job analysis, performance evaluation, recruitment, statistical bases of selection, selection techniques, costing selection effectiveness and legal issues in staffing.

## Marketing (MKTG)

**2000. Marketing Fundamentals (3).** This course provides a clear understanding of the total marketing process, the institutions involved, the marketing functions they perform, and the markets they serve. This course will not substitute for MKTG 3310. This course may not be used to fulfill major degree requirements in the College of Business. For non-business majors only.

**3310. Principles of Marketing (3).** Pr., Min. grade of C in: ACCT 2020, ECON 2020, INFO 2050, BUSN 2750, MNGT 2410, INFO 20950, BUSN 3060, INFO 3070, MATH 1050 or MATH 1120 or MATH 1150 or MATH 1610. A survey of the field of marketing and its role within an organization. Examines marketing concepts, terms and management. Includes the areas of product development, distribution, promotion and pricing.

**3420. Issues in Marketing (3).** Pr., MKTG 3310. Seminar on current and future concerns and issues in the field of marketing.

**4010. Entrepreneurship (3).** Pr., MKTG 3310, MNGT 3100, FINA 3610. Covers the entrepreneurial process from conception to birth of a new venture. Evaluate and convert opportunities into a business. Students work in teams to write a business plan for a new business venture. Same as MNGT 4010.

**4340. Purchasing (3).** Pr., MKTG 3310. Objectives, control and the direction of industrial purchasing.

**4360. Marketing Research (3).** Pr., MKTG 3310. The scientific examination of marketing phenomena to enhance a manager's ability to make better decisions by generating, transmitting and interpreting consumer and environmental information used to identify and define marketing opportunities.

**4380. Retailing (3).** Pr., MKTG 3310. A survey of the nature, managerial procedures and results of trade at the retail level.



**4390. Sport and Event Marketing (3). Pr., MKTG 3310.** Provides a practical look at the unique characteristics of the sports industry and their impact on the strategic approach to the marketing of sports and other events, to include pricing, determining the right event/sponsor, branding and maintaining relationships among parties involved.

**4400. Professional Selling and Sales Management (3). Pr., Min. grade of C in MKTG 2000 or MKTG 3310.** Treats sales as an entry-level and career opportunity. Focus is on building and managing long-term customer relationships as a key marketing strategy. Study of managing sales people and their role as managers. Students prepare and deliver sales presentations.

**4410. Buyer Behavior (3). Pr., Min. grade of C in MKTG 3310 or MKTG 2000.** Introduces the student to concepts and theories as they relate to consumer and business markets. This will include an analysis of internal and external influences on exchange decision making process. The frameworks are discussed in context of advertising/promotion, product management and the development of effective marketing strategies.

**4420. Supply Chain Management (3). Pr., MKTG 3310.** A systematic examination of the domestic and international logistics activities and business processes associated with the flow of information and goods from the raw material source to the ultimate consumer.

**4500. Direct Marketing (3). Pr., MKTG 3310.** Management of non-personal promotional methods designed to secure immediate response from the customer. Includes direct mail, space advertising, telemarketing, television and catalogs. Attention to implementing direct marketing and merging it with traditional personal selling and promotional methods.

**4600. Services Marketing (3). Pr., MKTG 3310.** The course examines the unique characteristics of service organization and the increasingly vital role they play in the U.S. economy. This course stresses the importance of tailoring marketing strategies to fit the special needs of service marketers, needs quite different from those of manufacturing organizations.

**4650. International Marketing (3). Pr., MKTG 3310, ECON 3050.** Covers the role of marketing in the global arena and the impact of culture, law, policies, ethics and other environmental variables on strategies for marketing goods and services in a global market.

**4700. Sales Management (3). Pr., MKTG 4440.** This course focuses on helping students understand first-line sales management issues including territory management, hiring, selection and training, motivating and rewarding the sales force, coaching and sales planning.

**4740. Print Media Advertising (3). Pr., MKTG 4320.** Principles and processes in evaluating and using print media for advertising. Introduction to layout and design.

**4780. Marketing Strategy (3). Pr., MKTG 3310, MKTG 4360 and MKTG 4410; Senior standing.** Planning and development of marketing strategies including opportunities assessment and competitive analysis. Focus on application to present the student with major marketing decision areas. Examines traditional and contemporary marketing strategy alternatives.

**4830. Strategic Promotion Campaign (3). Pr., MKTG 3310.** A team-based applied course designed to develop promotional campaigns, including advertising, for local organizations. Focus is on linking advertising agencies, account development and creative execution elements across the marketing promotion mix. Same as COMM 4830.

**4900. Independent Study (1-3). Pr., junior standing, department head approval.** Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Marketing (1-3).** Pr., MKTG 3310, departmental approval. Provides students with the opportunity to gain valuable insight through practical marketing experience so they may better correlate their academic experience with a professional, real-world environment. Business or marketing elective credit.

**4970. Special Problems/Special Topics (3).** Pr., MKTG 3310, junior standing. Variable content within the classroom setting in the marketing or transportation area. May be repeated up to 6 hours.

## Mathematics (MATH)

**0002. Math Accel/Placement Course (0).** Topics include whole numbers, fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry.

**0700. Elementary Algebra (3).** Co-requisite: MATH 0701. Fundamental operations in arithmetic and algebra. Numbers and their properties; integers and rational numbers; solving equations; polynomials and factoring. Credit is in addition to minimum degree requirements.

**0701. Elementary Algebra Lab (1).** Co-requisite: MATH 0700. Designed to supplement MATH 0700 by providing instruction, practice time, and assistance in a computer lab environment. Credit for this course required to receive a passing grade in the corresponding MATH 0700. Credit for this course is in addition to minimum degree requirements.

**0703. Elementary Algebra (3).** Fundamental operations in arithmetic and algebra. Numbers and their properties; integers and rational numbers; solving equations; polynomials and factoring; an introduction to systems and graphs. Credit for this course is in addition to minimum degree requirements.

**0800. Intermediate Algebra (3).** Min. grade of C+ in MATH 0700; OR MPT Level Min. (1A) of 2; OR ACT Math Min. Score of 20; OR SAT Math Min. Score of 440. Co-requisite MATH 0801. Designed to help students develop basic skills in algebra. Topics include sets, real numbers, polynomials, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, functions and graphing, and an introduction to systems of equations and graphs. Credit is in addition to minimum degree requirements.

**0801. Intermediate Algebra (1).** Min. grade of C in MATH 0700; OR MPT Level Min. (1A) of 2; OR ACT Math Min. Score of 20; OR SAT Math Min. Score of 440. Co-requisite MATH 0800. Designed to supplement MATH 0800 by providing instruction, practice time, and assistance in a computer lab environment. Credit for this course required to receive a passing grade in the corresponding MATH 0800. Credit for this course is in addition to minimum degree requirements.

**0803. Intermediate Algebra (3).** Pr., Min. grade of C in either Math 0700 or MATH 703 or Math Placement Level min. test score of 2 or ACT Math min. score of 18 or SAT Math min. score of 440 (pre 3/16) or 500 (post 3/16) or ALEKS Math placement score min. test score of 30. Designed to help students develop basic skills in algebra. Topics include sets, real numbers, polynomials, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, graphing, and an introduction to systems of equations and graphs. Credit for this course is in addition to minimum degree requirements.

**0902. Fundamentals of Algebra (Accelerated) (4).** Pr., ACT Math score under 20 OR ALEKS placement test score under 41. Designed to help students develop basic skills in algebra in preparation for college-level mathematics courses. Topics include sets, real numbers, polynomials and factoring, algebraic fractions, exponents, roots, radicals, linear equations and inequalities, quadratic equations, functions and graphing, and an introduction to systems of equations and graphs.



**1050. College Algebra (3).** Pr. Min. grade of C+ in either MATH 800 or MATH 803 OR ACT Math min. test score of 22, or (ACT Math min. test core of 20 AND MATH 1052) or Math Placement level test min. score of 4 or SAT Math min. score of 520 (pre 3/16) or 550 (post 3/16), OR ALEKS math placement min. core of 46. Primarily for students who will not continue on to Calculus I. Main topics include a basic review, polynomial, rational, inverse, exponential, and logarithmic functions and their applications in business and science, inequalities, and systems of equations.

**1052. Co-requisite support for College Algebra (1).** Pr. ACT MATH score of 20 or SAT MATH score of 480 (pre 3/16) or 530 (post 3/16). Co-req. MATH 1050. Provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 1050. Topics include whole numbers, fractions, and decimals; percents, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

**1100. Finite Mathematics (3).** Pr., Min. grade of C+ in either MATH 800 or MATH 803 or MATH 1050 or min. grade of D in MATH 1120 or MATH 1150 or MATH 1610 or OR ACT Math min. test score of 22, or (ACT Math min. test core of 20 AND MATH 1052) or Math placement level test min. score of 4 or SAT Math min. score of 520 (pre 3/16) or 550 (post 3/16), OR ALEKS math placement min. core of 46. Sets, counting, permutations, combinations, basic probability, Bayes' theorem, descriptive statistics, binomial and normal distributions, matrices, applications of matrices to Markov chains and decision theory. Additional topics as time allows.

**1102. Co-requisite support for Finite Mathematics (1).** Pr. ACT MATH score 20 or SAT MATH score of 480 (pre 3/16) or 530 (post 3/16). Co-req. MATH 1100. Provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 1100. Topics include whole numbers, fractions, and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

**1120. Precalculus Algebra (3).** Pr., Grade of B+ or better in MATH 0800 OR Min. grade of C in MATH 1050 OR Min. grade of CR in MH 100; OR Min. grade of D in MH 150; OR MPT Level Min. (1A) of 5; OR ACT Math Min. Score of 22; OR SAT Math Min. Score of 520. Primarily for students who intend to continue to MATH 1150 or do not require calculus. Polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; quadratic inequalities; the Binomial Theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction.

**1150. Precalculus, Algebra and Trigonometry (4).** Pr., Min. grade of B+ in MATH 0800 or MATH 0803, or Min. grade of C in MATH 1050 or min. grade of D in MATH 1120 or ACT Math min. test score of 23 or Math Placement Level test core of 5 or SAT Math min. score of 540 (pre 3/16) or 565 (post 3/16) or ALEKS math placement min. score of 66. Provides a foundation for calculus. Principle topics are polynomial, rational, exponential and logarithmic functions; systems of equations and inequalities; Binomial Theorem; trigonometric and inverse trigonometric functions; solving triangles; trigonometric identities and equations; DeMoivre's theorem, polar coordinates and vectors.

**1310. Mathematics for Elementary Education I (3).** Pr., Min. grade of D in MATH 1050 or MATH 1100. The first in a two-course sequence covering mathematical concepts taught in elementary schools. Emphasizes numeration. Topics include problem solving; numeration with whole numbers; concepts, computations, properties and models of arithmetic operations on whole numbers, integers and fractions; factorization.

**1320. Mathematics for Elementary Education II (3).** Pr., Min. grade of D in MATH 1050. A continuation of MATH 1310; emphasizes geometry. Topics include decimals, percentage, scientific notation; geometric figures in two and three dimensions; rigid motions and congruence; measurement of lengths, areas, volumes, angles; metric system; construction with ruler and compass; similar figures.

**1510. Survey of Calculus (3).** Pr., MATH 1120 or MATH 1150 or ACT Math min. score of 25 or Math Placement Level test min. score of 6 or SAT Math min. score of 580 (pre 3/16) or 580 (post 3/16) or ALEKS Math placement test min. score of 71. Basic principles of differential and integral calculus, including the Fundamental Theorem of Calculus. Includes applications in the management, natural and social sciences, including rates and optimization. Duplicate credit not allowed for MATH 1510 and MATH 1610.

**1550. Trigonometry (2).** Pr., Min. grade of C in MATH 1050 OR Min. grade of D in MATH 1120 or MH 112; OR Min. grade of CR in MH 100; OR Min. grade of D in MH 150; OR MPT Level Min. (1A) of 5; OR ACT Math Min. Score of 23; OR SAT Math Min. Score of 540 (pre 3/16) or 565 (post 3/16), OR ALEKS Math placement score min. 66. This course and MATH 1120 complete the prerequisites for Calculus I. Analytic and geometric properties of trigonometric and inverse trigonometric functions; identities and equations; sum and difference formula; laws of sines and cosines; applications, including vectors and solving triangles. Does not satisfy the core requirement in mathematics.

**1610. Calculus I (4).** Pr., Min. grade of D in (MATH 1120 and MATH 1550) or (MH 112 and MH 155) or (MH 112 and MATH 1150) or (MATH 1120 and MH 155); OR Min. grade of D in MATH 1150 or MH 160; OR MPT Level Min. (1A) of 6 and Min. grade of D in MATH 1150 or MH106; OR MPT Level Min. (1A) of 7; OR ACT Math Min. Score of 26; OR SAT Math Min. Score of 600 (pre 3/16) or 620 (post 3/16) or ALEKS Math Placement test min. score of 76. Basic differential calculus and an introduction to the integral calculus of rational, trigonometric, logarithmic and exponential functions. Limits, the derivative, computation of derivatives, applications of derivatives, antiderivatives, areas, definite integral and Fundamental Theorem of Calculus.

**1620. Calculus II (4).** Pr., Min. grade of D in MATH 1610 or MH 162. A continuation of MATH 1610 Calculus I. Applications of the definite integral, techniques of integration, indeterminate forms, improper integrals, polar coordinates, numerical integration, infinite series, Taylor's Theorem and power series.

**2200. Biostatistics (3).** Pr., Min. grade of D in MATH 1100 or MH 110 OR min. grade of D in MATH 1120 or MH112 OR min. grade of D in MATH 1150 or MH 160. Introduces students to statistical techniques commonly used in research and includes estimation and hypothesis testing, ANOVA, linear and non-linear regression and non-parametric statistics. Extensive use of computer exercises allows students to fulfill their requirement for computer literacy. A maximum of 3 hours' credit for BUSN 2740, BIOL/MATH 2200, MATH 2670 and MATH 2680 may be applied towards graduation requirements for Math and Computer Science Majors.

**2630. Multivariable Calculus (4).** Pr., MATH 1620. A continuation of MATH 1620 Calculus II. Vectors and curvilinear motion; partial derivatives; gradient and its applications; multivariable Chain Rule; maxima and minima, including Lagrange multipliers; double and triple integration; line integrals; Green's Theorem; surface integrals; Divergence Theorem; Stokes' Theorem.

**2660. Linear Algebra (3).** Pr., Min. grade of D in MATH 1620 or MH 163. Algebra of Matrices, systems of linear equations, vector spaces, subspaces, bases, coordinatization, linear transformations and their matrix representations, determinants, eigenvalues and diagonalization.



**2670. Elementary Statistics (3).** Pr., Min. grade of C+ in MATH 800 or MATH 803, OR Min. grade of C in MATH 1010; OR ACT Math: 22 or ACT Math min. score of 20 AND MATH 2672 or Math Placement Level test min. score of 4 or SAT Math min. score of 520 (pre 3/16) or 550 (post 3/16) or ALEKS Math Placement test min. score of 46. Basic concepts and principles in statistics. Topics include probability, frequency distributions and sampling, hypothesis testing, correlation and regression. A maximum of 3 hours' credit for BUSN 2740, BIOL/MATH 2200, MATH 2670 and MATH 2680 may be applied towards graduation requirements for Math and Computer Science Majors.

**2672. Co-requisite support for Elementary Statistics (1).** Pr. ACT Math score of 20 or SAT MATH score of 480 (pre 3/16) or 530 (post 3/16). Co-req. MATH 2670. Provides just-in-time review of relevant mathematics skills needed for successful completion of MATH 2670. Topics include whole numbers, fractions and decimals; percents, proportions, and geometry; signed numbers, linear equations, and inequalities; lines and systems of linear equations; relations and functions; integer exponents and factoring; quadratic and polynomial functions; rational expressions and functions; radicals and rational exponents; exponentials and logarithms; and trigonometry. Credit is in addition to minimum degree requirements.

**2680. Inferential Statistics (3).** Pr., Min. grade of D in (MATH 1100 or MH 110) or (MATH 112 or MH 112) or (MATH 1150 or MH 160) or MATH 1510 or MH 151) or (MATH 1610 or MH 162). Fundamentals of applied statistics: hypothesis testing, confidence intervals, correlation, regression, goodness of fit, analysis of variance and nonparametric statistics. A maximum of 3 hours' of credit for BUSN 2740, MATH 2670 and MATH 2680 may be applied to graduation requirements for Math and Computer Science Majors.

**3000. Introduction to Higher Math (3).** Pr., Min. grade of D in MATH 1610 or MH 1620 and ENGL 1010. Topics will include sets, functions, logic, techniques of proof, mathematical induction, the Euclidean Algorithm, modular arithmetic, and equivalence relations, and other topics chosen by the instructor. A primary objective of the course will be to teach students how to read and write a proof.

**3670. Advanced Statistics (3).** Pr., Min. grade of D in MATH 2670 or MH 267. Correlation and regression, analysis of variance, nonparametric methods, multivariate analysis. Emphasis on applications. Includes introduction to statistical computing using SAS. Duplicate credit not allowed for MATH 3670 and BUSN 2750.

**3690. Ordinary Differential Equations (3).** Pr., Min. grade of D in MATH 1620 or MH 163. First-order differential equations, higher-order, linear differential equations, including infinite series solutions, Laplace transforms, systems of linear differential equations and applications.

**4110. History of Mathematics (3).** Pr., Min. grade of D in MATH 1620 or MH 163 AND min. grade of D in MATH 3000 or MATH 2000. A first course beginning with Babylonian and Egyptian mathematics, including the contributions of the Greeks and the development of elementary mathematics through calculus.

**4200. Discrete Mathematics (3).** Pr., Min. grade of D in MATH 3000 or MATH 2000 AND min. grade of D in MATH 2660 or MH 266. Combinatorial reasoning and problem solving, including graph theory, counting principles, permutations and combinations and combinatorial modeling.

**4210. Analysis I (3).** Pr., Min. grade of D in MATH 3000 or MATH 2000 AND min. grade of D in MATH 2660 or MH 266. The Least Upper Bound axiom and order properties of the real line, sequences, series, continuous functions, fixed point theory. Emphasis on the development of proofs by students.

**4220. Analysis II (3).** Pr., Min. grade of D in MATH 4210 or MH 421. A continuation of MATH 4210. Limits, derivatives, theory of the Riemann integral, sequences of functions, uniform convergence and power series. Emphasis on the development of proofs by students.

**4230. Complex Variables (3).** Pr., Min. grade of D in MATH 2630 or MH 264 AND min. grade of D in MATH 3000 or MATH 2000. Complex numbers, limits, differentiation, analytic functions, integration, conformal mappings and applications.

**4300. Number Theory (3).** Pr., Min. grade of D in MATH 3000 or MATH 2000 AND min. grade of D in MATH 2660 or MH 266. Mathematics of the integers, divisibility, primes, unique factorization, congruences and residues, Diophantine problems and number theoretic functions.

**4310. Modern Algebra I (3).** Pr., Min. grade of D in Math 3000 or Math 2000 AND min. grade of D in MATH 2660 or MH 266. An introduction to algebraic structures. Binary operations, groups, subgroups, groups of permutations, cyclic groups, normal subgroups, quotient groups, homomorphisms and isomorphisms, rings, integral domains, fields.

**4320. Modern Algebra II (3).** Pr., Min. grade of D in MATH 4310 or MH 431. A continuation of MATH 4310. Ideals and quotient rings, ring homomorphisms, rings of polynomials, factorization, Euclidean rings, extension fields, selected additional topics.

**4400. Mathematical Models and Simulations (3).** Pr., Min. grade of D in MATH 2660 or MH 266. Use of models and simulation for solving problems in applied mathematics. Techniques of setting up, solving and interpreting models as well as an introduction to selected standard models.

**4470. Foundations of Plane Geometry (3).** Pr., Min. grade of D in MATH 300 or MATH 2000 AND min. grade of D in MATH 1620 or MH 163. Axiomatic development of plane geometry. Emphasis on the development of proofs by students.

**4500. Topology (3).** Pr., Min. grade of D in MATH 3000 or MATH 2000 AND min. grade of D in MATH 2630 or MH 264. Metric spaces, continuity, sequences, equivalent metrics, topological spaces and homeomorphisms, products, connectedness and compactness. Offered when there is sufficient demand.

**4600. Numerical Analysis I (3).** Pr., MATH 2660, significant fluency in a programming language, familiarity with FORTRAN. Number systems and error propagation, solutions of nonlinear equations, acceleration of convergence, polynomial and spline interpolation, numerical integration and differentiation, efficient direct solution of systems of linear equations, PLU factorization of matrices and matrix norms and condition numbers.

**4610. Numerical Analysis II (3).** Pr., Min. grade of D in MATH 4600 or MH 466. Iterative solutions of large systems of linear equations, numerical solutions of eigen-value problems for linear systems, numerical solutions of boundary value problems for ordinary differential equations, numerical solution of systems of ordinary differential equations and least square approximation.

**4670. Mathematical Statistics I (3).** Pr., Min. grade of D in MATH 1620 or MH 163. Basic probability theory, discrete and continuous distributions, discrete bivariate distributions, distribution functions of random variables, the Central Limit Theorem, basics of statistical inference including point estimation, interval estimation, hypothesis testing, and simple regression.

**4680. Mathematical Statistics II (3).** Pr., Min. grade of D in MATH 4670 or MH 467 AND min. grade of D in MATH 2630 or MH 264. A continuation of MATH 4670. Continuous bivariate distributions, hypothesis testing and assessing goodness of fit, analysis of variance, categorical data, multiple regression, and introduction to time series.

**4690. Mathematical Methods in Engineering and Physics (3).** Pr., Min. grade of D in MATH 2690 or MH 269 or MATH 3690 AND min. grade of D in MATH 2630 or MH 264. Sturm-Liouville problems with special functions, Fourier series and integrals, partial differential equations, including hyperbolic, parabolic and elliptic equations with applications and Fourier and Laplace transform methods.



**4950. Senior Seminar in Mathematics (1).** Pr., MATH 4210 or MH 421 AND min. grade of D in MATH 4310 or MH 431 AND min. grade of D in (MATH 4200 or MH 420) or (MATH 4300 or MH 430) AND ENGL 1010. Student is guided in the presentation of a technical topic and completes an appropriate assessment test in college-level mathematics. Occupational and employment information and guidance offered.

**4970. Special Problems (1-3).** Pr., permission of instructor. An individual topics or problems course. Student works under the direction of a staff member on a mathematical topic or problem of mutual interest. With permission from the department head, may be taken on a pass/fail basis.

**5110. History of Mathematics (3).** Pr., Min. grade of C in MATH 1620 and MATH 2000 or MATH 3000. A first course beginning with Babylonian and Egyptian mathematics, including the contributions of the Greeks and the development of elementary mathematics through calculus.

**5200 Discrete Mathematics (3).** Pr., Min. grad of C in either MATH 2000 or MATH 3000 and Min. grad o C in MATH 1620 or MH 163. Combinatorial reasoning and problem solving, including graph theory, counting principles, permutations and combinations and combinatorial modeling.

**5210 Analysis I (3).** Pr., Min. grade of C in MATH 2660, and Min. grade of D in either MATH 2000 or MATH 3000. The Least Upper Bound axiom and order properties of the real line; sequences, series; continuous functions; fixed point theory. Emphasis on the development of proofs by students.

**5220 Analysis II (3).** Pr. Min. grade of C in either MATH 5210 or MH 621. A continuation of MATH 5210 Analysis I. Limits; theory of the Riemann integral; sequences of functions; uniform convergence; power series. Emphasis on the development of proofs by students.

**5230 Complex Variables (3).** Pr., Min. grade of C in either MATH 2630 or MH 2640 and Min. grade of C in either MATH 2000 or MATH 3000. Complex numbers, limits, differentiation, analytic functions, integration, conformal mappings and applications.

**5300. Number Theory (3).** Pr., Min. grade of C in MATH 2600 and MATH 2000 or MATH 3000. Mathematics of the integers; divisibility, primes, unique factorization; congruences and residues; Diophantine problems; and number theoretic functions.

**5310 Modern Algebra I (3).** Pr., Min. grade of C in either MATH 2000 or MATH 3000 and Min. grade of C in either MATH 2660 or MH 266. An introduction to algebraic structures. Binary operations, groups, subgroups, groups of permutations, cyclic groups, normal subgroups, quotient groups, homomorphisms and isomorphisms, rings, integral domains and fields.

**5320 Modern Algebra II (3).** Pr., Min. grade of C in either MATH 5310 or MH 631. A continuation of MATH 5310 Modern Algebra I. Ideals and quotient rings, ring homomorphisms, rings of polynomials, factorization, Euclidean rings, extension fields and selected additional topics.

**5400 Math Models and Simulation (3).** Min. grade of C in either MATH 2660 or MH 266. Use of models and simulation for solving problems in applied mathematics. Techniques of setting up, solving and interpreting models as well as an introduction to selected standard models.

**5470 Foundations of Plane Geometry (3).** Pr. Min. grade of C in either MATH 2000 or MATH 3000 and Min. grade of C in MATH 1620 or MH 163. Axiomatic development of plane geometry. Emphasis on the development of proofs by students.

**5600 Numerical Analysis I (3).** Pr., Min. grade of C in either MATH 2660 or MH 266. Number systems and error propagation, solution of systems of nonlinear equations, acceleration of convergence, polynomial and spline interpolation, Chebyshev economization, numerical integration and differentiation, efficient direct solution of systems of linear equations, PLU factorization of matrices, matrix norms and condition numbers. Additional projects of more theoretical nature required.

**5670 Mathematical Statistics I (3).** Pr., Min. grade of C in either MATH 1620 or MH 163. Basic probability theory, discrete and continuous distributions, discrete bivariate distributions, distribution functions of random variables, the Central Limit Theorem, basics of statistical inference including point estimation, interval estimation, hypothesis testing, and simple regression.

## **Military Science (MILS)**

### **Basic Courses**

**1010. Foundations of Officership (1).** Introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting, stress management, and comprehensive fitness relate to leadership, and the Army profession. Fall semester only; taken in conjunction with MILS 1011 (Leadership Lab).

**1011. Freshman Fall Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. Provides training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, and first aid. Fall semester only; taken in conjunction with MILS 1010.

**1020. Basic Leadership (1).** Introduces Cadets to the personal challenges and competencies that are critical for adaptive leadership. Cadets learn the basics of the communications process and the importance for leader's to develop the essential skills to effectively communicate in the Army. Students will examine the Army Profession and what it means to be a professional in the U.S. Army. Spring semester only; taken in conjunction with MILS 1021 (Leadership Lab).

**1021. Freshman Spring Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. The student will receive continued training in drill and ceremonies, field craft, individual movement techniques, squad tactics, map reading and land navigation, and first aid. Spring semester only; taken in conjunction with MILS 1020.

**1112. Principles of Military Fitness (3).** To physically develop overall cardio respiratory fitness/muscular endurance and strength. Enhance individual knowledge of fitness and well-being. Understand the Principles of Exercise and Components of Fitness and how to implement them into a program.

**2010. Individual Leadership Studies (2).** Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership frame- work. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises. Fall semester only; taken in conjunction with MILS 2011 (Leadership Lab).

**2011. Sophomore Fall Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. Training in drill, physical training, water survival, night operations and land navigation. Fall semester only; taken in conjunction with MILS 2010.



**2020. Leadership and Teamwork (2).** Examines the challenges of leading teams in the complex operational environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Spring semester only; taken in conjunction with MILS 2021 (Leadership Lab).

**2021. Sophomore Spring Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. The student will receive continue training in drill, physical training, water survival, tactics, night operations and land navigation. Spring semester only; taken in conjunction with MILS 2020.

### Advanced Courses

**3010. Leadership and Problem Solving (3). Pr. departmental approval.** Introduces Cadets to the study, practice, and application of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level. At the conclusion of this course, Cadets will be capable of planning, coordinating, navigating, motivating and leading a squad and platoon in the execution of a mission during a classroom PE, a Leadership Lab, or during a Leader Training Exercise (LTX). Fall semester only; taken in conjunction with MILS 3011 (Leadership Lab).

**3011. Junior Fall Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. Training in troop-leading procedures, mission planning, squad tactics, land navigation, and individual movement techniques. Fall semester only; taken in conjunction with MILS 3010.

**3020. Leadership and Ethics (3). Pr. departmental approval.** Probes leader responsibilities that foster an ethical command climate by developing cadet leadership competencies and applying principles and techniques of effective written and oral communication. Continued emphasis on planning, troop leading procedures, and the execution of platoon operations and tactics. Spring semester only; taken in conjunction with MILS 3021.

**3021. Junior Spring Leadership Lab (1). Pr. departmental approval.** Leadership Lab is required for all Army ROTC students. The student will receive training in troop leading procedures, mission planning, squad and platoon tactics, land navigation, and individual movement techniques. Spring semester only; taken in conjunction with MILS 3020.

**4010. Leadership and Management (3). Pr. departmental approval.** An advanced course that places primary emphasis on Officership with our MS IV cadets who are our educational main effort; MS 401 and 402 together refine and ultimately completes the Cadet-to-commissioned officer transition. In MILS 4010 Mission Command and ethics is reinforced to ensure the Cadet can function morally and ethically in their future role as an Army officer. Fall semester only; taken in conjunction with MILS 4011 (Leadership Lab).

**4011. Senior Fall Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. The student will receive continued training in troop leading procedures, mission planning, and land navigation. Fall semester only; taken in conjunction with MILS 4010.

**4020. Officership (3). Pr. departmental approval.** The culmination of a four-year sequential, progressive, challenging developmental leadership experience. It is during this final semester that the Cadet is undergoing final preparation for the duties and responsibilities of a commissioned officer along with their integration into the Army. The emphasis is placed on critical knowledge, skills, abilities and competencies skills newly commissioned officers will need to succeed in their first unit of assignment, and the modern operating environment where they will be expected to plan, prepare, execute, and assess platoon-level training strategies and more to enable mission accomplishment. Spring semester only; taken in conjunction with MILS 4021 (Leadership Lab).

**4021. Senior Spring Leadership Lab (1).** Leadership Lab is required for all Army ROTC students. Training in troop-leading procedures, mission planning, training management and leadership experience while leading MILS 1000 through 3000 cadets through training scenarios. Spring semester only; taken in conjunction with MILS 4020.

## **Music (MUSI)**

**1100. Fundamentals of Music (3).** Introduction to the basic elements of music including scales, keys, chords and principles of rhythm.

**2110. Music Appreciation (3).** A survey of Western music from the Middle Ages to the present and of music from selected non-Western cultures. Emphasis on major styles, forms and composers and to the development of listening skills.

**2202. University Chorus 1 (1-3).** A choral performance group open to all students with an interest in singing. May be taken up to four times for credit.

**3110. Music in World Cultures (3).** A survey of musical styles in non-Western cultural traditions (Africa, India, Japan, Native America, etc.). Emphasis on the study of music as a phenomenon of society and culture.

**3202. University Chorus 2 (1-3). Pr., Junior standing.** A choral performance group open to all students with an interest in singing. May be taken up to four times for credit.

**3232. University Singers (1). Pr., permission of instructor.** A small select vocal ensemble. Performance of advanced vocal literature. Membership determined by audition.

**3300. Music Today (3).** A survey of popular music since 1945. Emphasis on the many factors that have shaped contemporary music, including history, economics, technology, politics and cultural practices.

**3310. Masterpieces of Western Music (3).** A survey of major works and composers in the Western musical tradition. Content will vary, but works from at least three different stylistic periods covered each semester. May be repeated once for credit.

**4150. Special Topics in Music (1-3).** Investigation of selected topics in music. Course may be repeated for a total of 6 semester hours, provided a different topic is selected each time.

**4902. Independent Project in Music (1-3). Pr., departmental approval.** Special project or research in music.

## **Nursing (NURS)**

**3111. Fundamentals of Professional Nursing (5). Pr., Admission to upper division. Field of Study restricted to the NURS major.** Fundamental concepts essential for professional nursing across settings of care. Application of concepts will occur in supervised lab and clinical practice. (3 theory, 1 lab, 1 clinical)

**3120. Nursing Pathophysiology (3). Pr., Admission to upper division or approval of course faculty.** Exploration of human pathophysiological processes.

**3131. Assessment for Professional Nursing (5). Pr., Admission to upper division or faculty approval. Field of Study restricted to the NURS major.** Exploration of concepts and theories of nursing with an emphasis on holistic assessment and intervention. (2 theory, 1 lab, 2 clinical)

**3150. Evidenced Based Practice (3). Pr., NURS 3111, NURS 3120, NURS 3131, and NURS 3900. Field of Study restricted to the NURS major.** Evidence based practice concepts essential for professional nursing practice.



**3160. Nutrition for Healthcare Providers (2).** This course examines basic nutrition as it applies to healthcare providers to promote attaining and maintenance of optimal health for patient populations.

**3210. Clinical Pharmacology (3).** Pr. NURS 3111, NURS 3120, NURS 3131, and NURS 3900. Field of Study restricted to the NURS major. Nurse's role in therapeutic pharmacology.

**3221. Nursing Care of the Adult I (7).** Pr., NURS 3900, NURS 3111, NURS 3120, NURS 3131, Co-req, NURS 3210. Field of Study restricted to the NURS major. Theory and application of concepts essential for nursing care of adults with short term and/or chronic conditions. (3 theory, 1 lab, 3 clinical)

**3900. Clinical Calculations (1).** Review of basic math concepts and effective application to drug calculation and administration.

**3940. Individualized Study Plan for Transitional Students (3).** Pr., Admission to the School of Nursing. Individualized focused study plan designed for students out of sequence in the professional nursing curriculum.

**4000. Special Topics in Nursing.** Selected topics in nursing.

**4001. Special Topics in Nursing Clinical (1-5).** Application of selected topics in nursing.

**4110. Transformation to the Professional Nurse Role (4).** Pr., ENGL 1020 and MATH 1100 or MATH 1120 with a grade of C or better, RN to BSN Major Only. Explores the pathopharmacological basis of common health alterations and the impact of these alterations on the mind, body, and spirit.

**4120. Pathophysiology for the Professional Nurse (3) RN to BSN Major Only.** Explores the pathophysiological basis of common health alterations and the impact of these alterations on the mind, body and spirit.

**4130. Nursing Informatics (3) RN to BSN Major Only.** Introductory course in Informatics focusing on the nursing application of information and computer technology for documentation, communication, research, patient education, and professional development.

**4140. Population Based Health Care (4).** Pr., Admission to the EARN Program. Exploration of the concepts inherent in the delivery of nursing care for individuals, families, and populations in the global community.

**4141. Patient-Centered Care: Concepts of Emergency and Critical Care (3).** Pr., Minimum grade of C in both NURS 3240 and NURS 3241. An introduction to emergency, trauma and critical care nursing.

**4150. Informatics (3).** Pr., Admission to upper division or faculty approval. Field of Study restricted to the NURS major. Introduction to informatics with a focus on application of healthcare information and computing technology. This is a writing intensive course.

**4160. Health Policy and Ethics for the Professional Nurse (3).** RN to BSN Major Only. Roles, influences, and ethics of health care providers, consumers, government and law are discussed. Examine policy decision and related issues that impact the delivery of safe, effective, patient-centered, timely, efficient, and equitable care.

**4180. Trauma Nursing (1-3).** Pr. NURS 3221. A broad overview of the specialty of trauma nursing and the multiple factors that affect patient care in an emergency or trauma situation.

**4210. Leading and Managing in Healthcare Micro-Environments (5).** Pr. NURS 4110. RN to BSN Major Only. Emphasis is placed on unique challenges in micro-environments of health care delivery (sub-units, units, departments, divisions).

**4220. Informatics and Evidence Based Practice for the Professional Nurse (3). RN to BSN Major Only.** This is an introductory course in nursing informatics with a concentration in evidence-based nursing practice. Nursing application of information and computing technology will be combined to provide focus on identification of practice issues; appraisal and integration of current evidence and the evaluation of potential outcome across all healthcare settings and patient populations.

**4241. Nursing Care of the Childbearing Family (3). Pr., NURS 3210; NURS 3221.** Field of study restricted to NURS major. Child-bearing family concepts and clinical application essential for professional nursing practice. (3 theory, 1 clinical)

**4251. Nursing Care for the Pediatric Patient and Support Network (3). Pr., NURS 3210, NURS 3221.** Theory and application of concepts essential for care of the pediatric patient and support network. (2 theory, 2 clinical)

**4260. Pathophysiology and Physical Assessment for the Professional Nurse (3). Pr. NURS 4110, RN to BSN Only.** Explores the pathophysiology basis and the assessment of common health alterations while exploring the developmental phases, physical states and functional levels to identify needs for health promotion and disease prevention across the lifespan.

**4261. Community/Public Health Nursing (4). Pr., NURS 3210, NURS 3221.** Field of study restricted to NURS major. Exploration and application of concepts inherent in the delivery of care for individuals, families and populations in community health settings and environments. (3 theory, 2 clinical).

**4271. Rural Health and Special Populations (4). RN to BSN Major Only.** Explores rural community health nursing, focusing on history and development of rural community focused care, health care systems, epidemiology, and individuals, families, and special populations. Determine and apply appropriate theories to provision of care to individuals in rural community settings and special populations in rural, urban, or suburban settings. Address prevention, promotion, maintenance, and restoring health. Focus on transcultural nursing concepts and diverse populations. (3 theory, 1 clinical)

**4310. Health Systems Leadership (4). Pr., NURS 4220 with a grade of C or better. RN to BSN Major Only.** Addresses evidence-based leadership/management skills and competencies for the professional nurse working with inter-professional teams to facilitate the transformation of complex healthcare systems.

**4311. Leadership Immersion (5). Pr., NURS 4110, 4220, 4240, Co-req. NURS 4310. RN to BSN Major Only.** Leadership immersion experience integrating knowledge, skills and competencies for the practice of professional nursing. (4 theory, 1 clinical)

**4320. Population Based Health Care/Practicum (4). Pr., NURS 4110, RN to BSN Major Only.** Explores the concepts and theories underlying population-based practice in community health settings and environments.

**4330. Transformation to the Professional Nurse Role II (4). Pr., NURS 4110. RN to BSN Major Only.** Addresses the integration, synthesis and reflection of professionalism and professional nursing practice through awareness and analysis of issues and challenges impacting nurses in all practice settings.

**4331. Mental Health Nursing (4). Pr., NURS 3900, NURS 3120, NURS 3131, NURS 3210. Co-req., NURS 3210.** Field of study restricted to NURS major. Theory and application of concepts essential for mental health nursing. (3 Theory, 1 Clinical)

**4340. Patient Centered Care of the Child Bearing Family (2). Pr., NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4341.** Childbearing family concepts essential for professional nursing practice.



**4341. Patient Centered Care of the Child Bearing Family Clinical (2).** Pr., NURS 3210, NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4340. Application of childbearing family concepts essential for professional nursing practice.

**4350. Patient Centered Care of the Child (2).** Pr., NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4351. Pediatric concepts essential for professional nursing practice.

**4351. Patient Centered Care of the Child Clinical (2).** Pr., NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4350. Application of pediatric concepts essential for professional nursing practice.

**4360. Population-Based Care (4).** Pr., NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4361. Population based concepts essential for professional nursing practice.

**4361. Population-Base Care Clinical (3).** Pr., NURS 3240, NURS 3241, admission to upper division. Co-req., NURS 4360. Application of population based concepts essential for professional nursing practice.

**4371. Nursing Care of the Adult II (6).** PR., NURS 3210, NURS 3221. Field of study restricted to NURS major. Theory and application of concepts essential for nursing care of adults with acute and/or complex conditions. (4 theory, 2 clinical)

**4400. Leadership for Professional Nursing Practice (3).** Pr., NURS 4340 NURS 4341, NURS 4350, NURS 4351, NURS 4360, NURS 4361, admission to upper division. Concepts essential for the transformation into professional nursing practice.

**4410. Professional Nursing Leadership & Management for Patient-Centered Care (3).** Pr., NURS 3240 NURS 3241, NURS 4420, NURS 4421, admission to upper division. Concepts essential for leadership and management for professional nursing practice.

**4420. Patient-Centered Care II (3).** Pr., NURS 4340/4341, NURS 4350/4351, NURS 4360/4361. Co-req., NURS 4400, NURS 4421. Advanced medical surgical concepts essential for professional nursing practice.

**4421. Clinical Immersion for Transformation into Practice (7).** Pr. NURS 4340/4341, NURS 4350/4351, NURS 4360/4361. Application of concepts essential for the transformation into professional nursing practice. Taken in final semester.

**4430. Nursing Leadership and Management (3)** Pr., NURS 4331, NURS 4241, NURS 4251; NURS 4261; NURS 3150; NURS 4150; NURS 4371. Field of study restricted to NURS major. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on the principles of leadership and management applied to health care settings.

**4431. Transition to Practice (6-7).** Pr., NURS 3150; NURS 4150; NURS 4331; NURS 4241; NURS 4251; NURS 4261; NURS 4371; NURS 4440; NURS 4430. Field of study restricted to NURS major. The course is designed to allow for the application of concepts pertaining to the transition into professional nursing. This course implements all concepts covered throughout the AUMSON curriculum. (3 theory, 3 clinical)

**4440. Critical Care (3).** Pr., NURS 3150; NURS 4150; NURS 4331; NURS 4241; NURS 4251; NURS 4261; NURS 6371. Theory and application of concepts essential for nursing care of the critically ill.

**4510. Healthcare Perspectives for Exceptional Students (3).** This course will study exceptional children and youth from a health care perspective. Additional emphasis will include the collaborative relationship between teachers of medically fragile students and the school nurse.

**4520. Interpersonal Violence: D, A, I (1-3).** Pr. NURS 4231. Concepts and theories related to psychosocial dynamics of interpersonal violence.

**4530. End-of-Life Care (1-3).** Pr. Admission to upper division or permission of course faculty. This course will explore various issues related to end-of-life care. Topics that reflect current issues and trends within the health care delivery system will be examined, including quality of life and ethical and legal considerations.

**4540. Camp Nursing (3).** Pr., NURS 3720; NURS 3721. Role of the camp nurse, safety issues, common health problems, treatment of common illnesses, and developmental considerations in the camp population.

**4550. Emergency Nursing: A Holistic Approach (1-3).** Pr. NURS 3221. Concepts and theories inherent in the delivery of holistic emergency nursing care.

**4560. Disaster Management (1-3).** Pr. NURS 3221. Concepts and theories inherent in the nursing management of natural and man-made disasters.

**4830. Leadership and Management in Nursing (1-3).** Pr. NURS 4371. Concepts and theoretical foundation for implementation of the leadership and management role of the professional nurse in health care organizations.

**4940. Individualized Study Plan (1-2).** Pr., Admission to the School of Nursing. Individualized focused study plan designed for students who have not reached an identified assessment benchmark in the professional nursing curriculum.

## **Organizational Leadership (ORGL)**

**1010. Introduction to Organizational Leadership (3).** Analyzes current and historical leadership styles and theory, with an emphasis on what constitutes effective leadership within federal, state and local agencies. The focus of the study will be on how leaders emerge and assume responsibility to include visionary leadership within a framework of social responsibility.

**2500. Inclusive Leadership (3).** Pr., ORGL 1010. Students will understand, appreciate, and account for the impact and value of differences among people. They will examine their interpersonal behavior, discover its impact on those they lead, and enhance their skills to create an inclusive environment.

**2700. Human Capital Stewardship (3).** Pr., ORGL 1010. Survey course of human capital management practices from a leadership perspective rather than an HR professional. Topics cover all the talent management functions with a special emphasis on personal career management.

**2940. Law for Leaders (3).** Pr., ORGL 1010. A practical overview of legal issues relating to state, federal, and local government policy. This course will provide an overview of the Uniform Code of Military Justice, Federal Acquisition Regulations, and legal issues pertaining to Homeland Security.

**3010. Leadership in Crisis (3).** Pr., ORGL 1010. Uses case studies to examine the dynamics of crisis leadership and decision making from a senior leader's or government official's perspective. This course frames the discussion on ways to overcome leadership challenges in planning and responding to a large scale incident.

**3050. Conflict Resolution and Negotiation (3).** Pr., ORGL 1010. The development of leadership skills essential for successfully resolving conflict and negotiating effectively.

**3200. Leading Across Cultures (3).** Pr., ORGL 1010. This course provides a comprehensive examination of the cultural factors that affect leadership practices and styles in organizations in the major cultural regions of the world.



**3220. Leadership in the Non-Profit Sector (3). Pr. Departmental or instructor permission.** This course seeks to provide a critical understanding of the nature and demands of leadership in the nation's growing nonprofit sector which is now recognized as the fastest growing sector in the U.S. economy. We will use a mixed set of learning objectives designed for varied learning experiences.

**3400. Leading Change (3). Pr., ORGL 1010.** Prepares leaders to effectively manage change at the individual, team, and organizational levels.

**3700. Project Management for Leaders (3). Pr., ORGL 1010.** Introduction to project management methodology covering all the phases of project management and the tools and competencies needed to effectively manage projects.

**3970. Team Building I (3).** This course will provide a critical understanding of how leadership affects the nature of team building in organizations. Students will understand the benefits of leading teams, recognize and resolve team problems, understand how to motivate team members and leaders, and comprehend the importance of diversity on leading teams.

**4100. Developing Community Relations (3). Pr., ORGL 1010.** Inter-disciplinary approach that combines public relations, community engagement, and governmental relations to teach leaders effective stakeholder relations.

**4210. Decision Making Methods for Leaders (3). Pr. MATH 1100 or higher.** This course gives leaders different quantitative methods to make informed decisions. Students will learn how to use a decision matrix, linear regression, T-charts, multi-voting, cost-benefit analysis, and other techniques to make informed decisions and select the best course of action.

**4220. Values and Ethics for Leaders and Law Enforcement (3). Pr., ORGL 1010 or JUST 1150 depending on major.** The course provides a critical understanding of the nature of values and ethics in leadership and justice and defines strategic leadership in relation to ethical situations and identify the differences between ethics, values and how leadership influences public trust and command climates.

**4900. Team Building II (3). Pr., ORGL 3970.** This course builds upon lessons learned in ORGL 3970. It will provide the critical understanding of how leadership affects team dynamics. Students will comprehend the importance of leaders fostering cohesiveness, confidence, and cooperation. Students will practice team decision-making skills by executing a joint operations center and role playing various leadership positions.

**4950. Leadership Capstone (3). Pr., ORGL 1010.** Integrates and reinforces leadership knowledge and skills from the major area courses. Strengthens personal leadership qualities and prepares students for real-life leadership opportunities.

**4970. Special Topics in Organizational Leadership (3). Pr., departmental approval.** This course examines the universal principles of leadership. It is designed to build repeatable and transferable leadership knowledge and skills. These skills are applied both within the context of the class and in learning and living environments.

## **Philosophy (PHIL)**

**2000. Reasoning and Critical Thinking (3).** A study of rational belief, with emphasis on the principles governing the formation and confirmation of explanatory hypotheses.

**2010. Introduction to Philosophy (3).** An introduction to the methods of philosophical inquiry and a study of some major topics in philosophy.

**2017. Introduction to Philosophy, Honors (3).** Enhanced version of PHIL 2010.

**2030. Logic (3).** An introduction to the principles of valid reasoning, with emphasis on the uses of language, the analysis and criticism of arguments and the fundamentals of deductive inference.

**2100. Applied Ethics (3).** A study of controversial social and moral problems such as abortion, euthanasia, capital punishment, and sexual morality.

**3002. Studies in Philosophy (3).** Focus to be determined by the instructor and student. May not duplicate regular course offerings.

**3310. Ancient Philosophy (3).** Pr., Grade of C or better in HIST 1010 and HIST 1020. A study of the Pre-Socratics, Plato, Aristotle and the philosophies of Epicureanism, Stoicism and Skepticism.

**3320. Medieval Philosophy (3).** Pr., Grade of C or better in HIST 1010 and HIST 1020. A study of Augustine, John Scotus, Abelard, Thomas, Duns Scotus, William of Occam and other philosophers of the Middle Ages.

**3330. Modern Philosophy (3).** Pr., Grade of C or better in HIST 1010 and HIST 1020. A study of major philosophers of the period, including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant.

**3340. Twentieth-Century Philosophy (3).** Pr., Grade of C or better in HIST 1010 and HIST 1020. A study of major philosophers of the last century, including Moore, Russell, Wittgenstein, Carnap, Ayer and Sartre.

**3700. Symbolic Logic (3).** A study of the techniques of natural deduction, including propositional calculus, first-order predicate calculus, the logic of relations, attributes of relations, logic with identity and the definite description.

**4110. God & Morality (3).** Pr., ENGL 1010, ENGL 1020. This course involves a philosophical examination of the relationship between religion and morality. Issues to be discussed include the tenability of non-theistic explanations of morality, various theistic accounts of morality, and the relationship between theism and the meaningfulness of human life.

**4150. Issues in Bioethics (3).** An investigation of theoretical and practical ethical issues related to contemporary medical practices, including abortion, euthanasia, and the challenges posed by emerging biotechnologies.

**4200. Philosophy of Religion (3).** A broad survey of important concerns in the philosophy of religion, including the acquisitions of an adequate understanding of the classical theistic conception of God and a study of the challenge that evil raises for traditional theistic faith.

**4210. Christian Philosophical Theology (3).** Pr., C or better in ENGL 1020. This course involves a philosophical investigation of various theological topics, with particular emphasis on the Christian tradition. Examples include: the relationship between faith and reason; religious exclusivism and inclusivism; divine attributes; and trinity, incarnation, and atonement.

**4220. C.S. Lewis and Philosophy (3).** Pr., C or better in ENGL 1020. Although best known for being the author of the Chronicles of Narnia, C.S. Lewis was a prolific writer whose work dealt with a number of perennial philosophical topics. The course will examine Lewis's views of religion and morality as expressed in both his novels and his non-fiction books.

**4330. History of Modern Philosophy (3).** Pr., C or better in ENGL 1020. A study of major figures in modern philosophy from René Descartes to Immanuel Kant. May be offered concurrently with PHIL 6330.

**4900. Independent Study (1-3).** Pr., Junior standing and Department Head approval. Variable content as determined by faculty member outside of the classroom setting.



**4972. Special Topics in Philosophy (3).** Instruction in specialized fields within philosophy, such as advanced scholarly projects. Focus varies with each course. May be repeated for credit twice when topics vary.

## **Physical Education (PHED)**

**1007. Introduction to Martial Arts (2).** An introduction to the basic skills of selected martial arts, including Tae Kwon Do, Hap Kido and Judo. Fundamental striking, grappling, throwing and joint locking techniques are taught.

**1013. Varsity Basketball (2).** Pr., varsity athlete. Varsity sports participation.

**1023. Varsity Tennis (2).** Pr., varsity athlete. Varsity sports participation.

**1033. Varsity Soccer (2).** Pr., varsity athlete. Varsity sports participation.

**1043. Varsity Baseball (2).** Pr., varsity athlete. Varsity sports participation.

**1053. Varsity Softball (2).** A course for athlete who are current participants on the varsity softball team.

**1063. Varsity Cross Country (2).** Pr., varsity athlete. A course for athletes who are current participants on the university cross country teams.

**1073. Varsity Volleyball (2).** Pr., AUM varsity athlete. A course for student athletes competing in the sport of volleyball.

**1113. Beginning and Intermediate Swimming (2).** Develops knowledge and skills in aquatics from recreational to more skillful. Safety is also emphasized.

**1123. Lifesaving and Instructor Training (2).** Pr., PHED 1113. Furthers the students' instruction in swimming safety and life-saving. Certifications will be awarded. A nominal fee will be charged by the facility.

**1203. Outdoor Recreation (2).** Provides students with opportunities to learn camping and backpacking skills.

**1205. Introduction to Outdoor Pursuits (2).** Introduction to selected outdoor pursuit activities such as the ropes course, backpacking, hiking, etc.

**1303. Basketball and Volleyball (2).** An introduction to basketball and volley- ball. Emphasis is on development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

**1305. Introduction to Disc Sports (2).** Introduces students to team sports such as ultimate frisbee and frisbee golf.

**1323. Soccer and Softball (2).** An introduction to soccer and softball. Emphasis on the development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

**1400. Aerobics (2).** Gets students involved in daily aerobic activity such as aerobic boot camp and step aerobics.

**1402. Jogging (2).** Gives students an understanding of and the ability to establish their own exercise program that includes jogging.

**1403. Beginning and Intermediate Soccer (2).** This is an activity course for beginning and intermediate soccer players. The basic skills and knowledge of the game will be covered in an activity setting. Opportunities will also be provided where intermediate level skills can be improved.

**1405. Triathlon Training (2).** Gives students a foundation for skills in a multi-sport setting: swimming, cycling, running.

**1407. Introduction to Self-Defense (2).** Builds understanding of and a proficiency in self-defense.

**1409. Yoga's Pilates (2).** Builds understanding and proficiency in yoga and Pilates.

**1543. Badminton and Pickle-Ball (2).** An introduction to badminton and pickle-ball. Emphasis on the development of fundamental skills, knowledge and appreciation. Rules and history of the games are included.

**1563. Archery and Casting (2).** An introduction to outdoor/recreational leisure sports.

**1593. Beginning and Intermediate Golf (2).** An introduction to the basic and intermediate elements of the game of golf.

**1643. Beginning and Intermediate Tennis (2).** Orientation to tennis from basic skills and knowledge to special shots and strategies.

**1723. Principles Exercise and Conditioning (2).** Provides knowledge and experience in the fundamentals of exercise training and conditioning.

**1743. Beginning and Intermediate Gymnastics (2).** An introduction to the basic skills of gymnastics and a continuation of the development in gymnastics through the intermediate level.

**1803. Fundamentals of Dance (2).** A course for physical education majors and those students interested in the field of dance. Basic dance theories and methods are taught. Types of dances include folk, square, ballroom and contemporary.

**1823. Exercise and Weight Control (2).** Physical activity as it relates to nutrition, health and changes in body composition.

**2003. Introduction to Theory and Techniques of Teaching and Coaching Sports Skills (3). Pr., sophomore standing.** Develops expertise in the organization of teaching and coaching of sports skills. Emphasis is on theory, methods and effective techniques of teaching, evaluating and coaching sports skills. Unit and lesson construction stressed.

**2010. Foundations of Health and Physical Education (3). Pr.,** Provides an overview of health and physical education. The history, philosophies and principles of the profession are emphasized and specialties, including health, athletics and sports medicine, are surveyed.

**2020. Social Media and Technology in Sport (3).** Course to promote critical examination of theory and practical application with regard to social media and technology in sport and physical education.

**2030. Sports Tourism (3).** The interconnectedness of sport and tourism will be analyzed from behavioral, historical, economic, management, marketing, environmental and policy perspectives.



**2063. Theory and Techniques of Coaching and Officiating Football and Soccer (3).** Develops professional expertise in the theory and techniques of coaching football and soccer. Emphasis on practical application of organizing and administering coaching responsibilities. Knowledge and practical application of officiating football and soccer included.

**2073. Theory and Techniques of Coaching and Officiating Volleyball and Basketball (3).** Develops professional expertise in the theory and techniques of coaching volleyball and basketball. Emphasis on practical application of organizing and administering coaching responsibilities. Knowledge and practical application of officiating volleyball and basketball included.

**2093. Theory and Techniques of Coaching and Officiating Baseball and Softball (3).** Develops professional expertise in the theory and techniques of coaching baseball and softball. Emphasis on practical application of organizing administering coaching responsibilities. Knowledge and practical application of officiating baseball and softball included.

**2130. Health and Physical Education in the Elementary School (3).** Pr., admission to professional education. Develops expertise in methods of teaching health education and physical education in elementary schools. Content appropriate for each developmental level is emphasized. Methods of evaluating students are also included. Field experience required.

**2203. Wellness (3).** Develops wellness concepts in a variety of health topics. Fitness labs are included.

**2250. Basic Sports Nutrition (3).** Designed to apply scientific concepts to a basic foundation of nutrition principles, to critically review the concepts and controversies in the field, and to provide up-to-date nutrition information. Critical thinking skills will be utilized to evaluate and personalize nutrition information.

**3043. Theory and Techniques of Teaching Basketball, Badminton, Volleyball and Tennis (3).** Pr., PHED 2003. Develops professional expertise in the organization and teaching of basketball, badminton, volleyball and tennis. Emphasis on theory, methods and effective techniques of teaching and evaluating knowledge and performance of these sports.

**3053. Theory and Techniques of Teaching Gymnastics, Dance, Aerobics and Weight Training (3).** Pr., PHED 2003. Develops professional expertise in the organization and teaching of gymnastics, dance, aerobics and weight training. Emphasis on evaluating dance routines and gymnastics skills and prescribing of fitness programs that improve body composition levels.

**4003. Physiology of Exercise (3).** Pr., BIOL 2093. Study of the physiological basis of physical activity.

**4004. Physiology of Exercise Laboratory (1).** Pr., BIOL 2100, BIOL 2101. A laboratory course designed to study the physiological basis of exercise/physical activity. The course will utilize laboratory resources related to measurement and assessment in exercise physiology.

**4010. Exercise Pathophysiology (3).** Pr., PHED 4003, BIOL 2093. Emphasizes the theories and procedures for rehabilitation of those with cardiovascular disease. Academic and practical experiences concerning therapeutic exercise prescription are undertaken.

**4030. Methods of Teaching Physical Education (3).** Pr., admission to professional education. Designed to provide the skills necessary to properly organize, conduct and evaluate physical education programs in multicultural environments. Emphasis on curriculum design, yearly planning, unit planning and daily lesson planning. Field experience required.

**4043. Kinesiology (3).** Pr., BIOL 2093. Focuses on the science of human movement. Specifically, applied anatomy and mechanical principles of human movement are related to skillful motor performance.

**4044. Biomechanics in Human Movement (3). Pr., BIOL 2100.** Study of the mechanical laws and principles that govern human movement and their application to activities of daily living, fitness, sport and rehabilitation.

**4050. Motor Development (3). Pr., junior or senior standing.** Acquaints the student with perceptual-motor functioning. Includes measurement and evaluation of perceptual-motor efficiency and the neurological structure of the human organism as it relates to learning.

**4153. Exercise Prescription (3). Pr., BIOL 2093.** Designed to evaluate the principles of human performance assessment and exercise prescription.

**4160. Adapted Physical Education (3). Pr., junior or senior standing; PHED 2003.** Guides the student in the development of adapted programs to meet the needs of diverse children. Emphasis on physical, mental, social and emotional characteristics. Field experience required.

**4183. Measurement and Evaluation in Physical Education (3). Pr., admission to professional education; junior standing.** Designed to evaluate measurement and evaluation techniques used in physical education and exercise science. Field experiences required.

**4193. Measurement and Evaluation in Exercise Science (3).** A course designed to evaluate the measurement and evaluation techniques used in exercise science.

**4200. Organization and Administration of Physical Education (3). Pr., admission to professional education.** Presents the various organizational and administrative structures, principles and philosophies in the field of health and physical education. The planning and construction of physical facilities are included.

**4210. Nutritional Assessment (3). Pr., BIOL 2000, or PHED 4250 or PHED 2250.** Methods and tools used in screening and assessment of nutritional status of individuals and population groups are studied. Assessment methodology includes dietary surveys, computerized dietary intake analysis, anthropometric measures, biochemical measures and clinical evaluations.

**4220. Lifecycle and Community Nutrition (3). Pr., C or better in BIOL 2000.** How metabolic and nutrient requirements are altered by physical development throughout life, emphasizing pregnancy, infancy, adolescence and late adulthood. Introduction to important community-based programs that span the life cycle.

**4230. Principles of Strength and Conditioning (3). Pr., PHED 4003.** Examines the scientific basis of exercise related to health, physical fitness and athletic performance.

**4240. Metabolism and Function of Nutrients I (3). Pr., C or better in BIOL 2000.** First in a two-course sequence that takes an in-depth look at human nutrition and the functions, digestion/absorption, inter-relationships, and cellular metabolism of the macronutrients. Subsequent role of macronutrients in maintaining optimal health, preventing disease.

**4250. Nutrition for the Physically Active (3). Pr., Sophomore standing.** Provides nutritional information for those engaged in athletics. It will also assist others who are physically active or desire to initiate a personalized exercise program.

**4260. Consumer Health (3). Pr., junior standing.** Provides useful guidelines and principles related to the selection and use of health products and services.

**4270. Sociology of Sport and Physical Activity (3). Min. grade of C in ENGL 1010.** Introduction to the sociological aspects of sport and physical activity. Attention given to the role of sport in other spheres of social life, such as family, education, politics and the media.



**4280. Metabolism and Function of Nutrients II (3).** Pr., C or better in BIOL 2000. Second of a two course sequence that takes an in-depth look at human nutrition and the functions, digestion/absorption, interrelationships, and cellular metabolism of the macronutrients.

**4310. Ethics in Sport (3).** The course provides students with a variety of experiences related to theory and examination of ethical issues in sport.

**4320. Diagnostic and Prescriptive Teaching in Adapted Physical Education (3).** Pr., PHED 4160. Prepares the student to deal with the physiological discrepancies that affect learning. Trains the student to prescribe individual education programs to remediate such discrepancies.

**4330. Sport Marketing (3).** The course provides students with a variety of learning experiences related to the theory and practice of marketing sport.

**4340. Risk Management and Legal Issues (3).** Course will focus on risk management and legal issues facing sport managers.

**4350. Sport Facility Planning and Construction (3).** This course provides students an overview of planning, design and construction of physical education, recreation and sport facilities.

**4360. Sport Finance (3).** This will apply economic principles to professional, collegiate, and high school sports programs. It will also provide the student with practical background knowledge of the general principles in financial management.

**4363. Emergency Medical Care (3).** Provides professional first-responder skills (CPR, first aid). Injury and disease prevention will also be emphasized.

**4370. Sport Sales and Promotion (3).** Pr., junior or senior standing. Foundational concepts and theory related to sport sales and promotion.

**4380. Leadership in Sport Organization (3).** Pr., sophomore or junior standing. The purpose of this course is to study leadership theory as it applies to sport organizations.

**4383. Fundamentals of Athletic Training (3).** Pr., BIOL 2100 or BIOL 210. Exposes students to current practices in sports medicine, with special emphasis on training, treatment and injury prevention. Professional preparation in rehabilitation careers is also emphasized.

**4390. Governance in Sport (3).** This course will introduce students to principles of organizational structure, function, and governance in the professional, collegiate, high school, and community sport programs. It will also provide the student with knowledge of management, social responsibility, policies, procedures, and hierarchical structure of these sport organizations.

**4400. Classroom Management in Physical Education (3).** The purpose of this course is to provide pre-service physical education candidates with basic skills/theories/practices involved in effective classroom management; coursework will include theoretical investigation and practical application of discipline models for physical education management.

**4410. Campus Recreation Theory and Programming (3).** Pr., junior or senior standing. Theory and programming aspects of campus recreation programs.

**4450. Sports Economics (3). Pr. PHED 4360.** This course will apply economic principles to selected aspects of professional and collegiate sports and sports leagues. It is intended to help students understand the business side of sports, how economics impact managerial decision making, and how it affects the games seen at the stadium or in the arena. Duplicate credit will not be allowed for ECON 4350 and PHED 4450.

**4800. Psychology of Coaching (3). Pr., Pr. Sophomore standing.** Introduces the professional student to the psychological aspects of teaching and coaching. Attention given to the effect of sports on society, crowd control and the individual athlete. Current issues of physical education and athletics will be included.

**4914. Practicum in Physical Education/Exercise Science (1-3). Pr., admission to professional education.** Independent directed study or field experience to be determined.

**4922. Internship in Exercise Science (1-9). Pr., admission to internship.** Students are placed in professional exercise science settings to participate in supervised, applied experiences.

**4924. Professional Internship (9). Pr., admission to internship.** Students are placed in both public elementary and secondary settings to participate in supervised teaching experiences. Students must submit an application for internship approved by their adviser to the director of field and clinical experiences.

**4934. Internship in Sport Management (9). Pr., admission to internship.** Students participate in a professional setting related to sport leadership or sport management to gain applied experiences in the field.

**4944. Professional Leadership (3). Pr., junior standing; departmental approval.** Provides leadership opportunities for individuals specializing in physical education or exercise science.

**4950. Advanced Topics in Sports Nutrition (3). Pr., PHED 2250 or PHED 4250.** Advanced seminar to address current topics in sports nutrition. Topics discussed will include nutrient timing and nutrient periodization, assessing nutritional status in the athlete, dietary requirements for special populations or environments, and ergogenic aids.

**4972. Problems and Issues (3). Pr., junior standing; departmental approval.** Research problems and issues in physical education or exercise science.

**4982. Bachelor's Comprehensive Examination (0). Pr., departmental approval.** An exit examination for physical education majors.

## Physical Science (PSCI)

**0950. Orientation for the Medical Sciences (1).** A course for pre-professional students in the health sciences. Emphasis on providing information and developing attitudes which will enhance prospects for admission into appropriate professional programs. Graded on satisfactory/ unsatisfactory basis. Credit is in addition to minimum degree requirements.

**1100. Introduction to Physical Sciences (3). Pr., Co-req., PSCI 1101.** A basic physical sciences course for non-technical majors. Emphasis on everyday applications related to atomic structure and the various forms of energy.

**1101. Introduction to Physical Science Laboratory (1). Pr., Co-req., PSCI 1100.** Experiments to accompany lecture topics in PSCI 1100.

**1300. Introduction to Earth Science (3).** An introductory level science course that provides a brief synthesis of major topics in geology, oceanography, ecology, and meteorology. This course, together with PSCI 1301, satisfies a core curriculum requirement for a natural sciences laboratory course.



**1301. Introduction to Earth Science Laboratory (1).** Laboratories to accompany lecture material in PSCI 1300. This course, along with PSCI 1300, satisfies a core curriculum requirement for a natural sciences laboratory course.

**1400. Introduction to Astronomy (3).** An elementary overview of astronomy. Topics include the history of astronomy, the earth-sun-moon system, the solar system, light and telescopes, stellar and galactic astronomy.

**1401. Introduction to Astronomy Laboratory (1).** Experiments to accompany lecture material in PSCI 1400. Students electing this optional laboratory for PSCI 1401, may use PSCI 1400 and PSCI 1401 to satisfy a laboratory science requirement. Students not electing PSCI 1401 may use PSCI 1400 as elective credit only.

**1500. Introduction to Chemistry (3). Co-req., PSCI 1501.** An introductory descriptive course in chemistry that examines the scientific method, the nature of atoms and compounds, solutions and chemical reactions. Discussion of acids, bases and oxidation included.

**1501. Introduction to Chemistry Laboratory (1). Co-req., PSCI 1500.** Experiments to accompany lecture material in PSCI 1500.

**3944. Pre-Health Studies (3).** Pr., sophomore standing, permission of department, minimum 2.75 GPA for 50 hours taken at AUM. A formal course for pre-medical students requiring time to be spent in several departments of local hospitals. May not be taken with more than 12 hours of additional course work. Should be attempted only by serious health science majors.

**3980. Special Topics in Physical Science (2).** Pr., junior standing, departmental approval. Directed studies in an area of physical science.

**4914. Mentor in Medicine (2).** Pr., departmental approval. A formal course for pre-medical students requiring time to be spent with a physician on rounds. Entails at least 6 contact hours per week. May be repeated with permission of the pre-medical adviser, but only 2 hours may be applied to graduation.

**4970. Senior Seminar (2).** Pr., senior standing. Activities include employment application procedures, oral presentation of a technical topic, completion of an assessment instrument and an evaluation of the department. Required for all seniors prior to graduation.

## Physics (PHYS)

**2100. General Physics I (3).** Pr., MATH 1510 or MATH 1610; Co-req., PHYS 2101. A treatment of statics, mechanics, heat and thermodynamics intended for technical majors. Calculus-based procedures employed frequently.

**2101. General Physics I Laboratory (1).** Pr., Co-req., PHYS 2100. Experiments to accompany lecture topics in PHYS 2100.

**2200. General Physics II (3).** Pr., PHYS 2100 and PHYS 2101; Co-req., PHYS 2201. A treatment of electricity, magnetism, wave phenomena, sound and optics intended for technical majors. Calculus-based procedures employed frequently.

**2201. General Physics II Laboratory (1).** Co-req., PHYS 2200. Experiments to accompany lecture topics in PHYS 2200.

## Political Science (POLS)

**2000. Introduction to Government and Politics (3).** An introduction to political science as a field of social science inquiry.

**2020. Introduction to American Politics (3).** Introduces students to the key institutions and processes shaping the American political system, including the Constitution, the presidency, Congress, the judiciary, elections, parties, and the media.

**2200. Introduction to International Relations (3).** Introduces students to a conceptual and analytical understanding of international relations. Focuses on the impact of sovereignty, inter-national organizations, non-governmental organizations, international law, power, interdependence, globalization, and the prospect for cooperation and conflict.

**2500. Foundations of Public Policy (3).** Introduction to public policy focusing on core issues and concerns in making and implementing public policy. Focuses on political environment in which public policy takes place, legal framework affecting policy, ethical considerations impacting policy makers, policy change and policy evaluation.

**3010. Research Methods (3).** Introduces students to strategies and methods of conducting research in the study of politics including topic selection, literature review, hypothesis testing, survey and archival research, and other components of political science research.

**3030. State and Local Government (3).** Examines the institutions and processes of state and local governments in the United States.

**3300. Municipal Politics (3).** Pr., POLS 2020, POLS 2030. Surveys the processes and functions of city government.

**3400. Introduction to Public Administration (3).** Surveys administrative processes, including organizational behavior, leadership, decision making and policy formulation.

**3450. Introduction to Comparative Politics (3).** An examination of the institutions, political processes, functions and problems of major contemporary political systems from a comparative perspective.

**3500. Public Policymaking (3).** Pr. Provides an understanding of public policy by exploring the role of political actors, institutions, and the policy context. Explores how public policy is crafted, negotiated, and enacted. Also examines how and why policymakers focus on some issues and ignore others.

**3510. Congressional Politics (3).** An in-depth examination of the role of the U.S. Congress in national policymaking, focusing on the design of the legislative process, Congress-executive branch relations, congressional leadership structures, partisanship, interest groups, and representation.

**3540. The American Presidency (3).** Pr., POLS 2020. Course examines the development and operation of the American presidency.

**3550. Policy Analysis (3).** Introduces issues and methods to provide an understanding of the role analysis plays in policymaking and analytical skills needed undertake policy analysis. Emphasizes skills for developing strong, well-reasoned, persuasive arguments and making articulate, coherent, convincing presentations.



**3600. Judicial Politics (3).** Broadly considers the role politics plays in affecting American legal jurisprudence.

**3700. American Political Thought (3). Pr., POLS 2020.** Reviews the development of political philosophy in the United States and its impact on American political institutions.

**3800. Campaigns and Elections (3).** Surveying contemporary American political campaigns and elections, students examine the election cycle from the perspectives of political campaigns/candidates, campaign professionals, the mass media, and the voter.

**3810. Political Behavior (3).** Surveys and examines the psychological, social, and economic basis of political participation ranging from conventional forms (voting, etc.), to unconventional forms (political protest), and political violence.

**3850. Political Parties (3).** Examines the foundations of political parties, why elected officials join them, and what roles parties play in organizing elections and policy-making.

**3860. Political Film (3).** Surveys various types of political film and analyzes film content and message, and examines the role films play in political socialization and in shaping our collective political memory and culture.

**3880. Gender and Politics (3).** Surveys the many ways gender and politics intersect. Examines the role of women in society - their history as outsiders, their road to political power, the evolution of public policies that affect the lives of women, and the present political status of women in the U.S. and globally.

**4100. Politics of Education (3). Pr., POLS 2020, junior standing.** Reviews relationships among citizens, interest groups, political institutions and public policy for education, including the impact of local, state and national institutions on educational policy and practice.

**4220. American Foreign Policy (3).** Examines the forces that influence the formulation and execution of American foreign policy with illustrative case studies.

**4250. Conflict and Diplomacy (3).** An examination of the origins of modern diplomacy and the causes and consequences of landmark conflicts. Course pays special attention to the role of American power and the relationship between force and diplomacy from the dawn of the state system to the contemporary era.

**4280. International Political Economy (3).** Explores the relationship between politics and economies in the modern international political economy, and the theories developed to explain the content and evolution of the international economic system. Focus is on trade, monetary, financial and production relations.

**4300. Problems in Metropolitan Politics (3). Pr., POLS 2020, junior standing.** Focuses upon selected problems of metropolitan areas and their possible resolution through public policy.

**4350. Area Studies (3).** An in-depth analysis of the political environment, institutions and processes of government in a geographical area selected by the instructor.

**4400. Politics of Race and Immigration (3).** Examines the two controversial issues of race and immigration in American politics, with special emphasis on public opinion, electoral campaigns, news media, and policy formulation. Offered as a writing intensive course.

**4500. Southern Politics (3).** Examines contemporary political developments in the South, with an emphasis on the effect of historical, social and economic changes on current political processes and institutions.

**4600. Constitutional Law: Civil Rights and Liberties (3). Pr., POLS 2020.** This course explores the evolution of civil rights and liberties in American politics through the lens of the U.S. Supreme Court's written opinions. Key to the course are speech, religion, and privacy rights, in addition to the emergence of equality in voting and accommodations for minorities.

**4610. Constitutional Law: The Separation of Powers (3). Pr., POLS 2020.** This course explores the historical struggle among state and federal institutions for political power and predominance in the United States through the lens of the U.S. Supreme Court's Written Opinions.

**4700. Topics in Political Theory (3). Pr., POLS 2020, junior standing.** An examination of selected ideas and writers in the general field of political philosophy. Specific topic emphasis determined by the instructor.

**4840. Politics and the Mass Media (3). Pr., junior standing.** Examines how mass media have altered democratic politics in the United States. Specific topics include the role of the media in electoral campaigns and how the news influences public opinion and policymakers.

**4860. Political Psychology (3).** Examines the psychological foundations of individual political behavior. Applies various social-psychological paradigms to the study of public attitudes, mass and elite behavior, social conflicts and foreign policymaking.

**4870. Psychology of Terrorism (3).** This course focuses on the psychological dimension of terrorism, a form of political violence which turns innocent civilians into random and symbolically representative targets. At the core of the course is the analysis of the terrorist's mindset.

**4924. Internship (3-6). Pr., POLS 2020, 9 semester hours of POLS courses, permission of instructor.** Practical experience in governmental agencies or related political activities; arranged and approved by head of the Department of Political Science and Public Administration. Only 6 hours' credit from any combination of POLS 4932 and POLS 4924 may be applied toward the major requirement.

**4932. Directed Studies (1-3). Pr., POLS 2020, 9 semester hours of POLS courses, permission of instructor.** Directed study on a topic chosen jointly by the student and the instructor. Only 6 hours' credit from any combination of POLS 4932 and POLS 4924 may be applied toward the major requirement.

**4952. Senior Seminar (3). Pr., POLS 3010, junior standing.** Students develop, research, write, and present an independent analysis of some political phenomenon. Topics and explanations are to be informed and guided by the relevant political science literature. Normally taken fall of senior year.

**4970. Special Topics (3).** In-depth examination of specific topics of current interest in political science-related fields.

## **Psychology (PSYC)**

**2110. General Introductory Psychology (3).** A survey of the scientific study of behavior and mental processes. Offered every term.

**2120. Personal and Social Adjustment (3).** A study of factors important in adjusting to today's world. Emphasis on the acquisition and development of adaptive behaviors. Offered every term.

**2193. Research Design (4). Pr., PSYC 2110.** Foundations of scientific inquiry, including an introduction to general experimental principles and exercises designed to build conceptual reasoning, critical thinking and APA report writing skills. Offered every term.



**3123. Behavior Analysis (4). Pr., PSYC 2110.** A study of basic learning principles, particularly operant and respondent behavior, reinforcement schedules, escape and avoidance behavior and secondary reinforcement. Includes required laboratory sessions where these principles are applied to a computerized animal. Usually offered spring and fall terms.

**3193. Research Analysis and Statistics (4). Pr., PSYC 2193 and MATH 1100 or MATH 1120 or MATH 1150.** A lecture and computer laboratory course designed to train students to utilize the tools of statistical analysis in research design and interpretation. Offered fall and spring terms.

**3280. Learning (3). Pr., PSYC 2110.** A survey of various approaches to the study of problem solving and the conditions governing the acquisition and retention of verbal and nonverbal behavior. Usually offered fall and spring terms.

**3450. Social Psychology (3). Pr., PSYC 2110.** A survey of topics such as attitude formation and change, communication, social interaction, leadership, group structure and process and socialization. Usually offered fall term.

**3460. Psychology of Gender (3). Pr., PSYC 2110.** An exploration of the psychological issues related to the biological, emotional, cognitive and social aspects of gender.

**3470. Culture and Psychology (4). Pr., PSYC 2110. WI.** Studies the importance of culture in explaining human behavior. Encourages students to raise questions about traditional viewpoints in psychology and to evaluate different ways of understanding the diversity of human behavior in general. Usually offered fall term.

**3480. Social Cognition (3). Pr., PSYC 2110.** Social cognition revolves around the cognitive foundations of many social psychological topics. Within this class, students will improve their understanding of the cognitive determinants of social behavior, social cognitive research methods, and continue to build upon their critical thinking skills.

**3510. Personality (3). Pr., PSYC 2110.** A survey of the scientific, phenomenological and psychodynamic approaches to the study of personality. Usually offered every term.

**3530. Abnormal Psychology (3). Pr., PSYC 2110.** A survey of abnormal behavior, its classification, diagnosis, causes and treatment. Usually offered every term.

**3640. Criminal Psychology (3). Pr., PSYC 2110.** Analysis of individual and organizational behavior in criminal justice settings. Usually offered spring term.

**3660. Cognitive Psychology (3). Pr., PSYC 2110.** A survey of mental processes, including such topics as perception and attention, mental imagery, memory and learning, problem solving, language and information processing. Usually offered fall term.

**3760. Industrial Psychology (3). Pr., PSYC 2110.** A survey of the application of psychological technology to business, industry and organizations. Usually offered fall term.

**3780. Developmental Psychology (3). Pr., PSYC 2110.** A study of behavioral, emotional and social changes across the lifespan, from conception and infancy, through the childhood, juvenile, adolescent, adult and elderly years. Usually offered every term.

**4153. Principles of Psychological Assessment (4). Pr., PSYC 2110 and 6 hours of PSYC.** Theory of psychological measurement and a survey of different categories of psychological testing. Offered every term.

**4160. History and Systems in Psychology (3).** Pr., PSYC 2110, 9 hours of PSYC. An examination of the historical sources of modern psychology and the various theoretical and methodological orientations that developed within the field. Offered fall and spring terms.

**4193. Advanced Research Methods (4).** Pr., PSYC 3193. A lecture and laboratory course devoted to research issues, including experimental design, interpretation of data and communication of experimental results.

**4320. Physiological Psychology (3).** Pr., PSYC 2110. An examination of the physio-logical mechanisms underlying behavior, motivation and cognition. Usually offered fall term.

**4330. Sensation and Perception (3).** Pr., PSYC 2110. A survey of how organisms sense and perceive the environment. Topics include stimuli that activate the sense organs and theories and research about how the brain and past experiences convert sensations into perceptions.

**4340. Health Psychology (3).** Pr., PSYC 2110. Examines the relationship between behavior and physical health. Emphasis on factors associated with physical illness, well-being and adaptation to illness. Offered in the spring term.

**4350. Psychopharmacology: Drugs and Behavior (3).** Pr., PSYC 2110. The study of chemicals that have the potential to alter mood, perception or behavior. Includes the composition and effects of such drugs, theoretical perspectives and empirical research. Offered concurrently with PSYC 6350.

**4623. Behavior Modification (4).** Pr., PSYC 3123. Learning reviewed with emphasis on the modification of human behavior. Group and single-subject research, data- gathering instruments and designs are compared, constructed and used in a supervised practicum.

**4640. Personnel Selection and Utilization (3).** Pr., PSYC 2110, PSYC 3510, PSYC 3760. Application of psychological principles to recruiting, selecting, evaluating and training of factory, office, labor and professional personnel. Usually offered spring term.

**4740. Advanced Industrial-Organizational Psychology (3).** Pr., PSYC 2110, PSYC 3760. Provides an in-depth focus on issues in industrial-organizational psychology. Basic theoretical positions and empirical findings emphasized. Usually offered fall term.

**4860. Political Psychology (4).** Pr., junior standing. Examines the psychological foundations of individual political behavior. Applies various social-psychological paradigms to the study of public attitudes, mass and elite behavior, social conflicts and foreign policy-making.

**4902. Independent Study in Psychology (2-6).** Pr., three 3-credit courses at 3000 level or higher and permission of instructor and department chair. Students work under the direction of a faculty member on a topic area of interest. Except in unusual circumstances, students are not normally allowed more than one independent study. All independent studies require a written contract.

**4924. Practicum in Psychology (2-6).** Pr., three 3-credit courses at 3000 level or higher and permission of instructor and department. Each student works under supervision of a faculty member in a departmentally approved setting to learn skills by providing psychological services. Available every term with consent of an instructor and the department chair.

**4952. Seminar in Psychology (3).** Pr., PSYC 2110, 6 hours of PSYC. Topics for the seminar vary, based on student and faculty interest.



## **Quantitative Methods and Decision Science (QMTD)**

**2740. Business Statistics I (3).** Pr., INFO 2070, and MATH 1100 or MATH 1120 or MATH 1610 or Math Level A Min. Score: 4 or ACT Math Min. Test Score 20 or SAT Math Min. Test Score: 20 or MATH 0800 Min. Grade: CR or Math Placement Test Min. Score: 4. The introduction and application of elementary statistics to decision making in business and economics, including descriptive statistical measures, probability, probability distributions, and estimation. Duplication credit will not be allowed for QMTD 2740 and MATH 2670.

**2750. Business Statistics II (3).** Pr. QMTD 2740. A continuation of Business Statistics I, including analysis of variance, Chi-Square, regression and correlation, and nonparametric methods. Duplicate credit will not be allowed for QMTD 2750 and Math 3670.

**3100. ERP and Business Process Management (3).** Pr., Min. grade of C in INFO 3070. This course introduces core concepts of Business Processes and application of Enterprise Resource Planning within organizations. Students will learn how to design, implement, and manage business processes using an ERP solution. Case studies and projects will be required to reinforce student's learnings.

**3300. Managing Operations across the Value Chain (3).** Pr., Min. grade of C in INFO 3070. This course is an introduction to concepts, principles, problems, and practices of supply chain management. Emphasis is on managerial processes for effective operations in both goods-producing and service-rendering organization. Topics include strategic overview of supply chain management, value adding activities, procurement/logistics, relationships and management of suppliers, production processes, and distribution.

**3500. Statistical Quality Control (3).** Pr., ECST 2750, junior standing. The theory and application of inspection sampling plans and control charts for the design, specification and control of product quality.

**3600. Operations Management (3).** Pr., Min. grade C in: ACCT 2020, ECON 2020, INFO 2050, MNGT 2410, BUSN 2750, BUSN 3060, INFO 3070, FINA 3610, MKTG 3310, MNGT 3380, MATH 1050 or MATH 1120 or MATH 1150. Examines the concepts, principles, problems, and practices of operations management. Emphasis is on managerial processes for effective operations in both goods-production and service-rendering organization in a global environment.

**3800. Product Design and Measurement (3).** Pr., QMTD 3600. The design and location of production and service systems. Attention is given to process analysis, motion study, time study and synthetically established standards.

**3840. Materials Management (3).** Pr., QMTD 3600. A study of production scheduling in continuous job shop and project management environments.

**4010. Project Resource Management (3).** Pr. INFO 3950. This course teaches the advanced project management topics of project scheduling, risk management, quality management, and cost control.

**4100. Project Procurement (3).** Pr. INFO 3950. This course explores the procurement process including procurement planning, vendor selection, contract creation, vendor management, and supply chain integration during the project life cycle.

**4500. Production Planning and Control (3).** Pr., INFO 3070. The primary principles underlying the management of production planning and control of production processes are covered. Topics covered include operations strategy, capacity planning, master production scheduling, aggregate planning, materials requirement planning, inventory management, production activity control, supply-chain management, just-in-time systems, lean manufacturing, agile manufacturing, the relationship of ERP planning, and other pertinent topics.

**4750. Quantitative Methods of Management (3).** Pr., QMTD 3600. Use of quantitative methods in managerial decision making.

**4760. Forecasting (3).** Pr., QMTD 3600. The theory and application of regression, smoothing and autoregressive-integrated moving average models to practical problems in business forecasting.

**4780. Materials Management II (3).** Pr., QMTD 3840, junior standing. The design and control of systems to guide and coordinate the flow of inputs and outputs through the physical system for producing and distributing goods and services. Includes forecasting for inventory decisions, requirements planning, scheduling and systems management.

**4800. Seminar in Operations Management (3).** Pr., MKTG 4730, QMTD 4760 and QMTD 4780, senior standing. A capstone course for the Decision Science option encompassing all aspects of production and operations management, including planning, coordinating and controlling operations of profit and not-for-profit enterprises. Topics include managing change, computer integrated manufacturing and total quality management.

**4900. Independent Study (1-3).** Pr., departmental approval. Variable content as determined by faculty member outside of the classroom setting. May be repeated up to 6 hours.

**4924. Internship in Decision Science (1-3).** Pr., departmental approval. Provides students with the opportunity to gain valuable insight through practical decision science experience so they may better correlate their academic experience with a professional, real-world environment. Business or decision science elective credit.

**4970. Special Problems/Special Topics (3).** Pr., departmental approval. Variable content in decision science within the classroom setting. May be repeated for up to 6 hours.

## **Reading Education (READ)**

**0700. College Reading Skills (3).** Instruction and practice in reading skills necessary for successful study and comprehension of college reading materials. Credit for this course is in addition to minimum degree requirements.

**3300. Methods of Teaching Literacy (9).** Pr., admission to professional education, ENGL 3004. Emphasizes curriculum, methods, strategies and materials related to teaching language arts in the elementary school. Focuses on children's literature, with reading and writing as a developmental and integrated process. Field experiences are provided.

**3303. Language and Literacy I (3).** Pr., admission to Professional Education. Co-req. READ 3313 and READ 3323. An emphasis is placed on child development, learning theories, individual differences, emergent and early literacy, children's literature, and examination of current materials and instructional practices used in teaching literacy for the emergent and developing reader. Field experience required.

**3313. Language and Literacy II (3).** Pr., admission to Professional Education, Co-req. READ 3303 and READ 3323. This course is designed to build on concepts introduced in READ 3303. An emphasis is placed on curriculum, methods, strategies, and materials related to teaching for comprehension and fluency, content area literacy, and techniques to incorporate children's literature across the curriculum. Field experience required.

**3323. Language and Literacy III (3).** Pr., admission to Professional Education, Co-req. READ 3303, READ 3313. This course is designed to build on concepts introduced in READ 3303 and 3313. An emphasis is placed on teaching writing and the use of children's literature and the foundation of the language arts program for P-6 students. Strategies for the integration of all language arts skills - reading, writing speaking, listening, viewing, and visually representing -- are covered. Field experience required.



## Religious Studies (RELI)

**2010. Introduction to World Religions (3).** A general survey of the major religions of the world including Judaism, Christianity, Islam, Hinduism, Buddhism, and Shintoism with a focus upon important texts and historical development, beliefs, and practices.

**3000. Theories and Methods (3).** This course introduces students to the major theoretical and methodological approaches that have shaped the study of religion. Topics include the distinction between religious studies and theology, the interdisciplinary nature of the field, and analyses of major classical and contemporary thinkers.

**3040. Survey of Early Islam (3).** Pr., ENGL 1010. A general survey of Pre-Mohammedan Arabia, the life of Mohammed, basic beliefs and practices, the early Caliphs, and an overview of the first two Islamic dynasties (Omayyad and Abbasid); with an emphasis upon historical, social, political, and cultural contexts.

**3100. Introduction to Islam (3).** An introduction to the Islamic thought, culture and society, considering both Classical Islam and Islam in the modern world.

**4000. Jesus and the Gospels (3).** A survey course for students of junior standing which will explore the representation of Jesus in the Canonical (Matthew, Mark, Luke, and John) and non-Canonical (e.g., Gospel of Bartholomew, Gospel of Judas) Gospels with a focus on the formation of the New Testament Canon.

**4900. Senior Thesis (3).** Pr., RELI 3000, RELI 3010. A course geared to the production of a lengthy project in Religious Studies showing a mastery of skills and knowledge in the field.

## Secondary Education (SCED)

**4000. Principles of Teaching in Diverse Environments (3).** Pr., admission to professional education. An introduction to basic principles of teaching, including planning, classroom environments and relationship skills; teaching strategies for diverse student abilities; multicultural education; professionalism; and classroom management. Field experiences required. May be taught concurrently with SCED 6000.

**4050. Classroom Management and Teaching in Middle and Secondary Schools (4).** Pr., admission to professional education; SCED 4000. Instructional methods, the learning process and evaluation of learning in middle and secondary school settings, theory and application of curriculum development for various academic disciplines. Special needs of adolescents are addressed. Field experiences required. This class will be taught as writing intensive. May be taught concurrently with SCED 6050.

**4100. Teaching Methods for Secondary English Language Arts (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required course for all students teaching secondary language arts. Provides specific instructional strategies and techniques for teaching language arts. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6100.

**4110. Teaching Methods for Secondary Math (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary mathematics. Provides specific instructional strategies and techniques for teaching mathematics. Curriculum standards and assessment strategies reviewed. Field Experiences required. May be taught concurrently with SCED 6120.

**4120. Teaching Methods for Middle School (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required for all students seeking middle school certification. Specific techniques for teaching middle school addressed: teaming, interdisciplinary themes and units, exploratory courses and adviser/advisee programs. Field experiences required. May be taught concurrently with SCED 6120.

**4130. Teaching Methods for Secondary Science (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary science. Provides specific instructional strategies and techniques for teaching science. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6130.

**4140. Teaching Methods for Secondary Social Science (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching secondary social science. Provides specific instructional strategies and techniques for teaching social studies. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6140.

**4152. Teaching Methods for Art (3).** Pr., admission to professional education; SCED 4000 and SCED 4050. Required for all students teaching art. Provides specific instructional strategies and techniques for teaching art. Curriculum standards and assessment strategies reviewed. Field experiences required. May be taught concurrently with SCED 6152.

**4914. Practicum in Education (1-3).** Co-req. SCED 4924. Independent (directed) field experience during internship. This course may be taught concurrently with SCED 6914.

**4924. Professional Internship (9).** Pr., admission to internship. Students are placed in public schools for supervised teaching experiences. Students must submit an application for internship approved by their adviser to the director of field and clinical experiences.

**4982. Bachelor's Comprehensive Examination (0).** Pr., departmental approval. A comprehensive exam to evaluate undergraduate study.

## **Social Work (SOWK)**

**1000. Introduction to Social Work (3).** Examines community social service agencies and programs they offer, including career opportunities in numerous fields of social work. Fifteen hours of volunteer work outside of class are required. Required course for social work majors and open to all University students.

**2000. Professional Development for Social Workers (3).** Students learn professional behavior, self-care, basic knowledge and skills relevant to professional social work practice. Course examines personal values, as well as societal values and analyzes their interaction and interrelationship with the social work professional values.

**2220. History of Social Welfare (3).** Philosophical and historical perspectives of social welfare services and social work practice. Analytical understanding of social welfare programs, policies, and issues.

**3000. Diversity and Social Justice (3).** Students learn multicultural social work practice and the importance of cultural competence. Student assess their level of self-awareness and ability to engage in critical thinking on issues of diversity and social justice, as well as advocate on behalf of others, particularly vulnerable populations.

**3100. Human Behavior and Social Environment (3).** Pr. BIOL 1000/1001, SOCI 2000, PSYC 2110, SOWK 1000, and SOWK 3000. First of 2-course sequence focusing on stages of human development from conception to adolescence. Examines frameworks, theories, and research addressing culturally sensitive understanding of human development and behavior in the context of individual, family, groups, communities, and organizations.

**3110. Human Behavior and Social Environment II (3).** Pr. SOWK 3100. Second of 2-course sequence focusing on stages of human development from young adulthood to old age. Examines frameworks, theories, and research addressing culturally sensitive understanding of human development and behavior in the context of individual, family, groups, communities, and organizations.



**3200. Social Work Practice I (3).** Pr. Admission to BSW program; SOWK 1000, SOWK 2000, and SOWK 3100. This is the first of two required social work practice courses. Development of generalist practice skills with a focus on direct services to individuals and families.

**3400. Social Work Practice II (3).** Pr. Admission to BSW Program; SOWK 1000, SOWK 2000, SOWK 3100, and SOWK 3200. This is the second of two required social work practice courses. Development of generalist practice skills with a focus on direct services to groups, organizations, and communities.

**4020. Methods Social Work Research (3).** Pr. Admission to BSW Program; junior standing; MATH 1100, SOCI 3010 or ECST 2760, SOCI 2200, SOWK 3000, SOWK 3110, SOWK 3200. Course develops students as generalist social workers. Students identify and apply research to advance social work practice, policy, and social welfare and obtain knowledge to monitor their practice, evaluate agency programs, social welfare policies, and understand ethical use of social work research.

**4110. Spirituality in Social Work Practice (3).** This course provides a framework of knowledge, values, skills and experiences to promote culturally competent, ethical, spiritually-sensitive social work practice, which takes into account diverse expressions of spirituality.

**4300. Field Practicum (9).** Co-req: SOWK 4310; successful completion of all Social Work coursework; senior standing and field director approval. Agency-based learning experiences that allow the students to develop generalist practitioner skills for social work practice with diverse individuals, families, small groups, organizations, and communities. Each student completes a minimum of 450 hours of supervised practice in a community agency.

**4310. Field Practicum Seminar (3).** Co-req: SOWK 4300; successful completion of all Social Work coursework; senior standing. Taught concurrently with SOWK 4300. Provides forum to discuss practice-related issues and integration of social work knowledge, skills, values, and ethics; emphasizes importance of evaluating one's own practice; integrates foundation content with field experience; emphasis on generalist practice.

**4460. Social Work Practice with Teens (3).** This course will examine an understanding of social work practice with adolescents by focusing on their strengths and needs, based upon ecological and strengths frameworks. Students will also explore legal and ethical issues related to adolescents.

**4470. Forensic Social Work (3).** Pr. SOWK 3200. This elective course in social work is designed to familiarize students with the practice issues related to work with clients within the criminal justice system and legal systems, including victims of sexual assault and other forms of physical and emotional violence. The course will focus on theory, practice, intervention, and advocacy with diverse forensic populations including offenders, victims, juveniles, and related systems. The role of social workers as expert witnesses, child welfare and victim services is explored. This course assumes a social justice oriented, interdisciplinary ecosystems approach.

**4500. Social Work Practice and Family Violence (3).** Pr. SOWK 3200. Examines family violence; suggests strategies for social work intervention with violent families, including those involving child abuse and neglect, spouse abuse, and elder abuse. Issue viewed from dual perspectives of societal concerns and social work interventions, including policies and programs.

## Sociology (SOCI)

**2000. Introduction to Sociology (3).** An introduction to sociological concepts, research techniques, and theories. The course also focuses on some of the substantive areas of sociology, encompassing collective behavior, gender roles, deviance, social class, and population. American institutions, for example family and religion are studied.

**2007. Introduction to Sociology, Honors (3).** Pr., admission to HONORS program and permission of instructor. Introduction to sociological concepts, research techniques and theories. An introduction to sociological concepts, research techniques, and theories. The course also focuses on some of the substantive areas of sociology, encompassing collective behavior, gender roles, deviance, social class, population and American institutions. Enhanced honors version of SOCI 2000.

**2010. Social Problems (3).** Study of institutional foundations of disruptive social relationships, including health care, sexual deviance, crime and juvenile delinquency, alcohol and drug abuse, aging, family organization, poverty and population.

**2020. Intimate Lifestyles (3).** An analysis of personal relationships in both traditional marriage and alternate forms. Examines adjustments required in the establishment and maintenance of family-type structures today.

**2100. Mass Media and Society (3).** A critical examination of the purposes, functions and effects of media on individuals, institutions, culture and social structure. (Same as COMM 2100.)

**2200. Divorce and Remarriage (3).** Analysis of various facets of the divorce process, including the historical, legal, social and psychological. Focuses on the problems of restructuring the family and the adjustments encountered by those who choose to remain single.

**2250. Human Sexuality (3).** Study of the sociological and anatomical aspects of human sexuality. Examines sexual responsibility, sexual values, sexual practices and techniques, contraceptives, sexually transmitted diseases, deviant sexual practices, sexual dysfunctions and laws pertaining to sexual conduct.

**3010. Research and Methodology I (3).** Pr., SOCI 2000 and MATH 1100. Statistical reasoning and techniques used by social scientists to summarize data and test hypotheses. Examines sampling, descriptive and inferential statistics, central tendency and distribution, probability, variance and regression analyses.

**3011. Research and Methodology I Laboratory (1).** Pr., SOCI 2000, MATH 1100. Computational aspects of SOCI 3010 Research and Methodology I. Introduction to Statistical Package for Social Sciences (SPSS), a statistical analysis program.

**3020. Research and Methodology II (3).** Pr., SOCI 2000, SOCI 3010, SOCI 3011 and MATH 1100. Introduction to sociological research including the principles of survey, experimental and field research designs, the collection, analysis and reporting of data through an actual field experience include data-collection techniques, sampling, analysis and ethics.

**3050. Women and Culture (3).** Pr., SOCI 2000. This course investigates woman-hood within selected cultures around the globe, while also examining the contributions of women to those cultures. There is significant coverage of the intersections of race, class, and religion; as well as victimization of and violence against women.

**3070. Sociology of Gender (3).** Pr., SOCI 2000. Conceptions of femininity and masculinity and modifications of these resulting from economic, demographic and cultural changes. Emphasis on socialization for feminine and masculine roles and variations in these roles throughout life.

**3100. Juvenile Delinquency (3).** Pr., SOCI 2000. Analysis of factors contributing to delinquent behavior among youth in the United States and other societies. Current theories, extent, treatment and prevention of delinquency are also considered.

**3150. Criminology (3).** Pr., SOCI 2000. Examines the theories, current research findings and societal reaction to crime and criminals, including crime causation, law enforcement, judicial processing and corrections.



**3200. Social Stratification (3). Pr., SOCI 2000.** Introduction to the nature of social stratification, including a survey of theories of stratification, techniques for studying stratification systems and the characteristics and consequences of social class membership.

**3250. Sociology of Health and Illness (3). Pr., SOCI 2000.** Sociocultural definitions and responses to illness; organization of health and medical institutions; social epidemiology of disease; changing doctor-patient relationships; inequality and the distribution of health care; and emphasis on sociocultural and environmental factors influencing health and illness.

**3300. Sociology of Death and Dying (3). Pr., SOCI 2000.** Study of death and dying, including the varied conceptions of death, the dying process, dying as a sociocultural process and the death industry.

**3350. Collective Behavior (3). Pr., SOCI 2000.** Examines forms, behaviors and processes in crowds, public collectives, social movements and transitory groupings.

**3700. Writing in Sociology (1). Pr., SOCI 2000; ENGL 1010 or 1017.** This course emphasizes social science writing techniques and strategies. Using selective substantive areas of sociology, students explore the types of writing sociology graduates need as they complete their educations and in their future careers. Preparation of memos, letters, reports, and other communication expected of sociology graduates will be practiced.

**3720. Alcohol, Drugs and Society (3). Pr., junior standing.** This course is designed to help students develop an understanding of the use and abuse of alcohol and drugs from a sociological perspective.

**3914. Practicum/Child Advocacy Capstone Course (3 -9). Pr., SOCI 3850 and programmatic approval.** This course provides students the opportunity to explore human services and the strengths and needs of varied client populations. Supervised field work in a human service agency provides theoretical and practical experience over a minimum of 72 field hours in a domestic or international setting.

**3971. Special Topics in Sociology (3).** Examines topics from a sociological perspective. Topics announced prior to the beginning of each semester. May be repeated for a maximum of 6 hours of credit.

**4000. Social Theory (3). Pr., SOCI 2000, ENGL 1010, Min. grade of C.** Sociological theory from the 19th-century to the present, including major theoretical perspectives, such as functionalism, conflict, interactionism and post modernism.

**4050. Sociology of Deviance (3). Pr., SOCI 2000, ENGL 1010, Min. grade of C.** Examines behavioral and non-behavioral forms of norm violations from theoretical, methodological and evidentiary sources. Substance abuse, mental and physical illness, sexual deviations, suicide, violence and societal reactions to forms of deviance are examined.

**4100. Minority Groups (3). Pr., SOCI 2000.** Intergroup relations in the United States with emphasis on the processes of assimilation, amalgamation and pluralism. Problems related to prejudice, discrimination, identity formation and prevailing power arrangements analyzed.

**4150. Population, Social and Economic Development. Pr., SOCI 2000.** Principles of growth and development in their historic context with regard to developed and developing countries. The interrelationship of economic, social and demographic variables in the process of development. Population theory and policy concerns.

**4200. Urban Sociology (3). Pr., SOCI 2000.** Examines the city in historical and contemporary contexts. Focuses on the internal structure and functioning of the city, including ecological patterns, power arrangements, community institutions, minority group relations, class systems and demographic characteristics.

**4300. Sociology of the Family (3).** Pr., SOCI 2000. Analysis of family systems throughout the world, with emphasis on structural features, internal dynamics and current trends in the United States.

**4350. Social Psychology (3).** Pr., SOCI 2000, junior or senior standing. Study of the nature and causes of individual behavior in social situations, including orientation to theory and research methods with emphasis on research studies and practical application of principles.

**4360. Sociology of Religion (3).** Pr., SOCI 2000, junior or senior standing. Sociological perspective of religion, including the effect of religion on behavior and attitudes and the reciprocal relationship of religion with other societal institutions. Examines major aspects of religion in the United States.

**4400. Social Gerontology (3).** Analysis of aging in American society from the perspective of the fields of biology, political science, economics, psychology and sociology.

**4440. Global Child Advocacy Issues (3).** This course is a core course for child advocacy studies minor. The purpose of this course is to prepare students to recognize child advocacy issues around the world. The course will also benefit students majoring in sociology, pre-social work, criminal justice, education, psychology, nursing, paralegal, or other areas where knowledge of child maltreatment and advocating for children will be necessary. Multidisciplinary approaches to advocacy in different countries throughout the world will be presented and discussed.

**4450. Child Welfare & Maltreatment (3).** This elective is designed to familiarize students with the field of child welfare, its history, current policy and practice issues, the diversity of families structures and contexts, with a focus on the various forms of child maltreatment and best practices for response.

**4460. Social Work Practice with Teens (3).** Pr., SOCI 3850. This course will examine an understanding of social work practice with adolescents by focusing on their strengths and needs, based upon ecological and strengths frameworks. Students will also explore legal and ethical issues related to adolescents.

**4500. Sociology of Education (3).** Pr. C or better in SOCI 2000 or permission of instructor. This course explores research and theory as it relates to the education of individuals, communities, and nations, emphasizing US education. Major areas of inquiry include sociology of education's insights on adolescent peer groups, families, social inequality, and public policy debates.

**4600. Religions in East Asia (3).** This course surveys the history, doctrines, institutions, and practices of religions in East Asia, including two parts: Buddhism, and Taoism in China; and Shinto and Buddhism in Japan.

**4720. Substance Abuse Prevention and Education (3).** Pr., SOCI 3720. Provides an overview of theories, principles, and strategies related to alcohol and drug prevention. Students will learn a variety of innovative strategies for prevention program assessment, selection, planning, marketing, implementation, and evaluation to develop an effective substance abuse plan.

**4730. Substance Abuse Prevention with Special Populations (3).** Pr. SOCI 3720, Co-req., SOCI 4720. Students will learn a variety of innovative strategies for prevention program assessment, selection, planning, marketing, implementation, and evaluation to develop an effective substance abuse prevention plan directed toward special populations.

**4824. Internship in Substance Abuse Prevention (4).** Pr., SOCI 3720, SOCI 4720, SOCI 4730. This course provides students with the opportunity to gain valuable insight into substance abuse prevention services through practical experience in a professional, real-world environment.



**4850. Feminisms and Standpoint Theories (3).** Pr., SOCI 2000. This course will analyze the specific contributions of feminist researchers across the disciplines, specifically focusing on feminist methods of inquiry, challenges to the traditional science model, dilemmas of feminist research, and feminist theoretical contributions.

**4900. Independent Study in Sociology. (1-3).** Pr., permission of the instructor. Independent reading and/or research in selected areas of sociology.

**4924. Internship in Sociology. (3).** Pr., junior or senior standing. Provides students with an opportunity to gain valuable insight through practical sociological experiences in a workplace setting.

**4950. Advanced Seminar in Sociology (3).** Pr., SOCI 3020, SOCI 4000, SOCI 4350, and ANTH 4030, or permission of instructor. Focuses on issues of contemporary, theoretical and empirical interest in sociology and anthropology. The topics will vary depending on student interest and faculty involvement. Offered once per year.

## **Spanish (SPAN)**

**1010. Elementary Spanish I (4).** Basic language skills with emphasis on conversation and exposure to Hispanic civilization. For students with less than two years of high school Spanish. Multimedia computer lab required.

**1020. Elementary Spanish II (4).** Pr., SPAN 1010 or departmental approval. Fundamentals of Spanish language skills with emphasis on conversation and exposure to Hispanic civilization. Fulfills School of Liberal Arts foreign language core requirement. Multimedia computer lab required.

**2010. Intermediate Spanish I (4).** Pr., SPAN 1020 or departmental approval. Review of grammatical structures, development of reading and writing skills and increased understanding of Hispanic cultures. Multimedia computer lab required.

**2020. Intermediate Spanish II (4).** Pr., SPAN 2010 or departmental approval. Review of grammatical structures, development of reading and writing skills and increased understanding of Hispanic cultures. Multimedia computer lab required.

**3010. Spanish Phonetics (3).** Pr., SPAN 2020 or departmental approval. Training in practical phonetics with an emphasis on pronunciation correctives.

**3020. Spanish Syntax (3).** Pr., SPAN 2020 or departmental approval. Examines the sentence structure and the interrelationship among the various parts of speech.

**3110. Spanish Civilization I (3).** Pr., SPAN 3040. Culture of Spain up to 1700. Emphasis on geographic, historical, social, artistic, spiritual and political forces in Spanish civilization.

**3030. Spanish Conversation (3).** Pr., SPAN 2020 or departmental approval. Intensive practice and review of vocabulary and structure.

**3040. Spanish Composition (3).** Pr., SPAN 2020 or departmental approval. Practice in writing themes based on composition and translation.

**3100. Introduction to Hispanic Literature (3).** Pr., SPAN 2020. Study of literary genres, rhetorical figures and other critical concepts. Literary analysis of Spanish and Spanish American texts.

**3120. Spanish Civilization II (3).** Pr., SPAN 3040. Culture of Spain from 1700 to the present. Emphasis on geographic, historical, social, artistic, spiritual and political forces in Spanish civilization.

**3210. Spanish American Civilization I (3). Pr., SPAN 3040.** Spanish America culture from Pre-Columbian times through the independence movement.

**3220. Spanish American Civilization II (3). Pr., SPAN 3040.** Spanish America culture from independence to the present, as reflected in the fine arts and literature.

**3300. Introduction to Hispanic Literature (3). Pr., SPAN 2020.** Readings in Hispanic literature with particular emphasis on theatre and poetry.

**3310. Commercial Spanish Translation (3). Pr., SPAN 3040.** Introduction to the techniques of English/Spanish and Spanish/English translation in a commercial environment, including correspondence, technical documents, advertising and oral translation.

**4020. Continuing Spanish Syntax (1-3). Pr., departmental approval.** Continuing practices in syntax. Course may be repeated for a maximum of 3 credit hours.

**4030. Continuing Spanish Conversation (1-3). Pr., departmental approval.** Continuing practices in conversation. Course may be repeated for a maximum of 3 credit hours.

**4040. Continuing Spanish Composition (1-3). Pr., departmental approval.** Continuing practices in composition. Course may be repeated for a maximum of 3 credit hours.

**4100. HOY Workshop (3). Pr., SPAN 2020. Pr., departmental approval.** Writing and editing of a monthly publication on Latin American and Peninsular culture and current events.

**4110. Masterpieces of Spanish Literature (3). Pr., SPAN 3040.** Major works of Spanish literature from medieval times to the present.

**4120. Topics in Spanish Literature (3). Pr., SPAN 3040.** Readings in Spanish literature. Course may be repeated with change in topic.

**4210. Masterpieces of Spanish American Literature (3). Pr., SPAN 3040.** Major works of Spanish American literature from colonial times to the present.

**4220. Topics in Spanish American Literature (3). Pr., SPAN 3040.** Readings in Spanish American literature.

**4310. Business Spanish I (3). Pr., SPAN 3040.** Business vocabulary, terminology, practices and cultural influences in the Hispanic world.

**4320. Business Spanish II (3). Pr., SPAN 4310.** Business vocabulary, terminology, practices and cultural influences in the Hispanic world.

**4330. Topics in Business Spanish (3). Pr., SPAN 3040.** Study of aspects in Spanish business terminology/documentation. Course may be repeated with change in topic.

**4420. Topics in Hispanic Literature and Culture (3). Pr., SPAN 3040.** Analysis of the cultural milieu, which influences artistic creativity in historical periods.

**4910. Practicum in Spanish (1-3). Pr., departmental approval.** Practical work experience related to the field. Course may be repeated for a maximum of 3 credit hours.



## Spanish Study Abroad Courses

**1000. Elementary Spanish Abroad (1-9).** Pr., departmental approval. Approved study program abroad. Students should consult with the Spanish undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**2000. Intermediate Spanish Abroad (1-9).** Pr., departmental approval. Approved study program abroad. The student should consult with the Spanish undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**3000. Junior Spanish Abroad (1-9).** Pr., departmental approval. Approved study program abroad. The student should consult with the Spanish undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

**4000. Senior Advanced Spanish Abroad (1-9).** Pr., departmental approval. Approved study program abroad. The student should consult with the Spanish undergraduate adviser for an estimation of credit prior to going abroad. Course may be repeated for a maximum of 9 credit hours.

## Special Education (ESPE)

**3740. Understanding Exceptionalities (3).** Understanding Exceptionalities focuses on topics such as special education law, incidences of disabilities, and the philosophy of teaching exceptional students.

**3760. Survey of Exceptionalities (3).** Pr., FNDS 2010 Grade of C or higher. A survey of the various exceptionalities, including the etiology, incidence, laws and strategies related to teaching students with exceptionalities. Field Experience is included.

**4040. Introduction to Early Childhood Special Education (3).** Pr., ESPE 3760, ESPE 4200, ENGL 1010/1017 (this is a WI course), admission to professional education. A survey of trends, issues and evidence-based strategies related to teaching young students with exceptionalities. The course will focus on Early Intervention and Preschool Special Education for students from birth to age 8. May be taught concurrently with ESPE 6040.

**4050. Behavior Management of Students with Exceptionalities (3).** Pr., ESPE 4200, admission to professional education. This course presents the theoretical foundations and evidence-based strategies for managing behavior of all students including those students with exceptionalities who consistently exhibit inappropriate behaviors in the classroom. May be taught concurrently with ESPE 6050.

**4200. Special Education: Critical Professional Components (3).** Pr., ESPE 3760, ENGL 1010/1017, admission to professional education. An introduction to critical professional components in special education. Topics include ethics, roles and responsibilities of the special educator, special education law, policies and procedures and transition. May be taught concurrently with ESPE 6200.

**4300. Introduction to Assessment for Diverse Learners (3).** Pr., ESPE 4200, admission to professional education. The course is designed to address the multi-assessment approach related to studying formal and informal assessment. Participants will learn to administer standardized assessment instruments as well as interpret assessment results for the purpose of writing individualized educational programs for students with exceptionalities. May be taught concurrently with ESPE 6300.

**4310. Data Based Instruction for Diverse Learners (3).** Pr., Min. grade of C in ESPE 4300. This course examines the cycle between instructional planning, instruction, and assessment for diverse learners. The focus of the course will be alignment between standards/IEP goals, instruction and assessment; monitoring student progress; and using data to make instructional and programmatic decisions.

**4350. Collaboration and Consultation (3). Pr., ESPE 4200, admission to professional education.**

Examination of and training in collaborative teaching in educational settings. Participants will study interpersonal relationships with other professionals in the school setting and with families of students with exceptionalities. Included are evidence-based best practices in collaboration, the fundamentals of group processes and skills needed for collaboration. May be taught concurrently with ESPE 6350.

**4400. Methods, Materials and Curriculum for Students with Significant Support Needs (3). Pr., ESPE 4200, admission to professional education.** Study of curriculum, methods, and materials for learners with autism, other health impairments, and moderate and severe disabilities. Emphasis on specialized procedures and educational and vocational skills to facilitate normalization and independent living.

**4450. Applied Behavior Analysis for Teachers (3). Pr., Min. grade of C in ESPE 4050.** This course will provide candidates with an overview of the science of behavior analysis and practical skills to plan, implement, and evaluate behavior management programs for diverse learners. In addition, ethical considerations regarding behavior change procedures will be described.

**4500. Teaching and Learning Strategies for Students with Exceptionalities (3). Pr., ESPE 4200, admission to professional education.** Emphasizes evidence-based teaching and learning strategies to meet the individual learning needs of students with exceptionalities. Included are methods for providing accommodations and making modifications for students to be successful learners in the general education curriculum. May be taken concurrently with ESPE 4914.

**4550. Secondary Instruction for Diverse Learners (3).** This course emphasizes evidence-based teaching and learning strategies to meet the individual learning needs of students with exceptionalities at the secondary level. Included are methods for providing accommodations and making modifications for students to be successful learners within the secondary curriculum.

**4600. Working with Families of Students with Exceptionalities (3). Pr., ESPE 3760, admission to professional education.** Principles of working with families of students with exceptionalities from diverse backgrounds. Emphasis given to evidence-based and best practices of working with families to help students be successful learners. May be taught concurrently with ESPE 6600.

**4902. Studies in Special Education (3).** Guided investigation of a current, pertinent topic in an area related to children and youth with exceptionalities. Topics will be selected in consultation with course instructor.

**4912. Introduction to Practicum and Internship in Special Education (1). Pr., ESPE 4500, admission to professional education.** This course is designed to introduce teacher candidates to the process of becoming a teacher.

**4913. Practicum I in Special Education (3). Pr., ESPE 4500, admission to professional education.** This course is second in a sequence of three practicums for candidates in special education programs of study providing experiences in settings with students with exceptionalities. Candidates participate in 50 hours of ongoing site experiences in P-12 settings.

**4914. Practicum II in Special Education (3). Pr., ESPE 4500, admission to professional education.** Supervised field experiences in classroom settings with students with exceptionalities. May be taken concurrently with ESPE 4800.

**4915. Practicum III in Special Education (3). Pr., ESPE 4500, admission to professional education.** This course is third in a sequence of three practicums for candidates in special education programs of study providing experiences in settings with students with exceptionalities. Candidates participate in 50 hours of ongoing site experiences in P-12 settings.



**4924. Professional Internship (6).** Pr., Adviser and Departmental approval. With adviser approval, candidates must submit an application for internship to the School of Education Director of Field and Clinical Experiences. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

**4925. K-12 Professional Internship (6).** With adviser approval candidates must submit an application for internship to the College of Education Director of Field and Clinical Programs. After the application is approved, candidates are placed in accredited public schools for one semester of supervised teaching experiences.

**4982. Bachelor's Comprehensive Examination for Collaborative Teacher (K-6) 4982/Elementary, Collaborative Teacher (6-12), Early Childhood Special Education (0).** Pr., Adviser and Departmental approval. Comprehensive examination of knowledge and skills from professional courses in special education.

## **Theatre (THEA)**

**2040. Theatre Appreciation (3).** A study of periods, genres and production techniques, with emphasis on developing a critical awareness and appreciation of theatre, cinema and television.

**2103. Stagecraft (3).** Study and practice in theatre stagecraft, focusing on construction methods, scene painting, rigging and handling of scenery and backstage organization.

**2113. Stage Lighting (3).** Study and practice in theatre lighting, including designing, hanging, focusing, maintaining and repairing stage lighting instruments. Students will produce light plots and paperwork needed for production.

**2123. Costume Construction (3).** Study and practice in theatre costuming, including pattern drafting and cutting, basic sewing techniques, construction methods and backstage organization and maintenance. Students in this course construct costumes and may serve as running crew during the semester's productions.

**2914. Theatre Practicum (1).** One hour credit in any aspect of production (acting, directing, construction, design or management) in any one semester. Work completed in this course must be exclusive of laboratory hours required in other Theatre courses. May be repeated for additional credit.

**3003. Oral Interpretation (3).** Pr., COMM 1010 or ENGL 1020. Basic techniques and application of oral interpretation in reading prose, poetry and drama (same as COMM 3003).

**3413. Fundamentals of Acting (3).** Basic theories and techniques of acting and directing.

**3423. Intermediate Acting (3).** Pr., THEA 3413. Students with basic acting skills can sharpen and develop these skills further through individualized instruction in pantomime, improvisation and acting scenes.

**3433. Voice for the Actor (3).** Study and practice of vocal techniques as applied to theatrical performance.

**3443. Stage Movement (3).** Study and practice of physical conditioning, reflex training and character transformation as applied to performance.

**3453. Directing (3).** Pr., THEA 3413. A critical analysis of the techniques of directing a play, including play selection, casting, rehearsing, and performing.

**3463. Stage Management (3).** Theory and techniques of stage management with emphasis on the practical approach toward theatrical production.

**3593. Makeup Design (3).** Theory and techniques of stage makeup with emphasis on base makeup aging and character interpretation. Students help design the makeup and may act as running crew for the semester's main stage productions.

**3603. Scene Painting (3).** Theory and techniques of scene painting with emphasis on the practical development of personal craft.

**3613. Scene Design (3).** A fundamental design course geared toward enhancing basic principles of scenic design and developing a practical knowledge of all drawings pertaining to theatrical design. THEA 2103 is not required as a prerequisite but preferred.

**3623. Theatre Rendering (3). Pr., THEA 3613.** An advanced course aimed at enhancing the practical knowledge of rendering for the theatre. Includes all areas of design in order to benefit portfolio presentation. All painting involved is strictly for the theatre. No previous painting experience is necessary.

**3633. Costume Design (3).** Theory and techniques of stage costume design, with emphasis on character analysis, design elements and principles, the costume sketch, color theory, fabric selection and costume ornamentation.

**3713. Theatre Administration (3).** The principles of administration applied to the theatre, including philosophy, physical plant operations, staffing, publicity, box office and house management.

**3723. Theatre Administration II (3). Pr., THEA 3713.** The principles of administration applied to the field of theatre with emphasis on personnel management, community service, financing and organizing and touring with a theatre company.

**3973. Special Topics in Theatre (3).** An exploration of a theme from any area of the Theatre having contemporary relevance. Course may be repeated for credit up to 12 hours, provided a different theme is selected each time. May be offered concurrently with THEA 6972.

**4013. Playwriting (3). Pr., sophomore standing.** Laboratory course in playwriting; student plays developed from original idea through scenario into final production script. Exceptional plays may be produced and/or participate in competition.

**4310. Dramatic Literature and Theatre History of the Western World I (3). Pr., junior standing.** Traces dramatic literature and theatre history from the rituals of ancient civilizations to the middle of the 19th-century. May be taught concurrently with THEA 6310.

**4320. Dramatic Literature and Theatre History of the Western World II (3). Pr., junior standing.** Traces dramatic literature and theatre history from the mid-19th-century to today. May be taught concurrently with THEA 6320.

**4413. Dialects and Phonetics (3).** Basic study of the sound system for the English language as used in dialect and accent training. Includes principles of sound production, phonetic transcription, and the acoustical basis of phonetics.

**4740. Studies in American Drama and Theatre (3). Pr., junior standing.** Topics in the history and major developments of American dramatic literature and the stage. May be repeated twice when the topics vary. May be offered concurrently with THEA 6740.

**4903. Independent Study (1-3). Pr., senior standing or permission of instructor.** Independent reading and/or research in selected areas of theatre. May be taught concurrently with THEA 6902.



**4930. Studies in Drama (3).** Pr., junior standing. Examination of a sub-genre or period of drama such as tragedy, Restoration comedy, 18th-century British drama or modern drama. May be repeated twice when the topics vary. May be offered concurrently with THEA 6852.

## **University Honors Program (HONR)**

**1757. WI-Honors Freshman Seminar (3).** Pr., admission to the University Honors Program. Topics will vary and are announced prior to the start of each academic year. Studies are thematic, usually interdisciplinary, usually taught by faculty teams. Assignments vary with each offering. Meets Writing Intensive requirements.

**1957. Honors Colloquium (1).** Pr., admission to the University Honors Program. Designed to engage students in broadly defined cultural events through written analysis. Participants in the University Honors Program should take this course at least three times prior to graduation. Grading is satisfactory/unsatisfactory.

**1997. Selected Topics (1-3).** Pr., admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

**2757. WI-Honors Sophomore Seminar (3).** Pr., admission to the University Honors Program. Topics will vary and are announced prior to the start of each academic year. Studies are thematic, usually interdisciplinary, usually taught by faculty teams. Assignments vary with each offering. Meets Writing Intensive requirements.

**2997. Selected Topics (1-3).** Pr., admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

**3757. WI-Honors Junior Seminar (3).** Pr., admission to the University Honors Program. Topics will vary and are announced prior to the start of each academic year. Studies are thematic, usually interdisciplinary, usually taught by faculty teams. Assignments vary with each offering, typically focusing on civic engagement and leadership experiences.

**3957. Honors Research (3).** Pr., Admission to the University Honors Program Successful completion requires thesis/project proposal approved by faculty director, department head, and UHP director and composition of a committee comprised of three full time faculty at least two of whom are from the student's major department. Grading is satisfactory/unsatisfactory.

**3997. Selected Topics (1-3).** Pr., admission to the University Honors Program. Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

**4957. Honors Thesis (3).** Pr., Admission to the University Honors Program. Completes the work begun in HONR 3797. Successful completion includes the thesis/project approved by the student's committee and the director of the UHP. Grading is satisfactory/unsatisfactory. May be repeated once.

**4997. Selected Topics (1-3).** Pr., Admission to the University Honors Program Topics vary and are announced at each offering. May be repeated provided that a different theme is selected each time.

## **University Success (UNIV)**

**1000. University Educational Planning and Success (3).** Pr., 1st term freshman, transfer students with GPA of 2.20 or below. This course orients new AUM students to academic expectations associated with University study. It introduces students to the AUM services in place to support their academic success and guides students through professional, academic and personal goal-setting processes which foster academic success.

**1004. AUM Student Success and Educational Planning for Bridge Participants.** Pr. Admission into Bridge Program. Provides instruction for academic success skills, university transition resources, and degree completion processes. Participation in weekly tutoring is mandatory. Required for all Bridge program participants.

**1007. Educational Planning and Success, Honors.** Pr. Admission to the University Honors Program. UNIV 1007 will orient UHP students to academic expectations associated with University study, introduce students to AUM services which support their academic success, guide the students through professional, academic, and personal goal-setting processes and provide students with a peer cohort.

## Visual Art (VISU)

**1000. Introduction to the Visual Arts (3).** A global introduction to the visual arts via engagement with history and cultural traditions. Students study artworks and major movements, examine materials and processes of production, learn terminology, and acquire skills in looking, interpretation, and descriptive writing.

**1102. Two-Dimensional Design (3).** Introduction to the basic elements and principles of two-dimensional design, with emphasis on composition, color theory, media and individual concepts.

**1112. Beginning Drawing (3).** Drawing from observation, with an emphasis on composition, line perspective and value, using various dry and aqueous monochromatic media.

**1122. Intermediate Drawing (3).** Pr., VISU 1112. Drawing from observation, with an emphasis on composition, creativity and accurate observation, with the use of various dry and aqueous monochromatic and color media.

**1132. Three-Dimensional Design (3).** Introduction to the basic elements and principles of three-dimensional design, using various media.

**2002. Portfolio Review (1).** Pr., VISU 1102 and VISU 1112. Preparation of a portfolio of student art work for evaluation by the Fine Arts Department faculty. Students should take this course in their sophomore year.

**2030. Art History 1 (3).** A survey of the visual arts in the West from Prehistory through Medieval.

**2040. Art History 2 (3).** A survey of the visual arts in the West from Renaissance through Modern.

**2202. Watercolor (3).** Configurational studies in aqueous media on paper. May be repeated for credit.

**2212. Beginning Painting (3).** Painting in oil (and/or possibly other media) in abstract and representational imagery.

**2312. Sculpture 1 (3).** An introduction to sculptural problems, practices and materials. Modeling, carving stone and wood and fabrication techniques may be explored.

**2600. Introduction to World Architecture (3).** A survey of world architecture from antiquity to the present that emphasizes the relationships between art, architecture, place, and culture.

**2702. Digital Foundations (3).** Pr., VISU 1102. Emphasis on skills needed to produce vector- and raster-based graphics to solve problems in design and artmaking.

**2712. Photography 1 (3).** Exploration of conventional 35mm film photography which covers both technical and conceptual aspects of the medium as a fine art. Digital techniques associated with negative enlargement will be discussed.



**2722. Typography 1 (3). Pr., VISU 1102.** Emphasis on fundamentals and traditional techniques of typography with a survey of the history of typography.

**2732. Design Techniques (3). Pr., VISU 2707, VISU 2722.** Exploring color, grid and layout systems to solve graphic communication problems.

**2812. Digital Photography (3).** Exploration of photographic digital medium involving use of a DSLR and computer based editing. Covers lighting practices associated with portrait and product photography.

**3010. Survey of Non-Western Art (3).** Survey of tribal, pre-Columbian, Islamic, Indian and Far Eastern art. This course may be taught concurrently with VISU 6010.

**3020. The Renaissance in Italy (3).** An analysis of the visual arts in Italy from the 14th through the 16th-century. May be taught concurrently with VISU 6020.

**3030. History of Seventeenth and Eighteenth-Century Art (3).** An investigation beyond the survey level of Western painting, sculpture and architecture produced during the Baroque and Rococo periods. May be taught concurrently with VISU 6030.

**3040. History of Nineteenth-Century Art (3).** An investigation beyond the survey level of Western painting, sculpture and architecture from the late 18th through the 19th-century. May be taught concurrently with VISU 6040.

**3050. American Art (3).** A study beyond the survey level of the visual arts in America from the Colonial Era to the present. May be taught concurrently with VISU 6050.

**3060. Art Since 1945 (3).** A study of international art since 1945 as well as themes and issues in contemporary art. May be taught concurrently with VISU 6600.

**3070. Women in the Arts (3). Min. grade of C in ENGL 1010.** An exploration of the diverse roles women have played in the visual arts as subjects, patrons, and artists from antiquity to the present.

**3080. History of Graphic Design (3).** A presentation of information regarding the social and cultural impact, artistic value and historical significance of graphic design worldwide. A discussion and exposition of the history of graphic design. Emphasizes the integration of graphic design into world culture and specific societies.

**3090. Medieval Art (3).** A study of the art and architecture of Western Europe and Byzantium from the Early Christian period through the Gothic era. May be taught concurrently with VISU 6090.

**3122. Advanced Drawing (3). Pr., VISU 1122.** Emphasis on creativity and composition; various media. May be repeated for credit.

**3232. Intermediate Painting (3). Pr., VISU 3222.** Painting in oil (and/or possibly other media) in abstract and representational imagery (a continuation at a more advanced level of VISU 3222 Painting 2).

**3322. Sculpture 2 (3). Pr., VISU 2312.** Further exploration of sculptural problems, practices and materials.

**3412. Ceramics 1 (3).** An introduction to the properties and uses of clay as a sculptural material. The potter's wheel, construction methods, glazing and kiln firing techniques explored.

**3422. Ceramics 2 (3). Pr., VISU 3412.** Further exploration into the properties and uses of clay as a sculptural material.

**3600. Theory and Method of Museum Studies (3). Pr., ENGL 1010.** A survey examining the relationship between people and the object; including the making, history, preservation, and interpretation of objects.

**3610. Egyptian Art (3). Pr. Min. grade of C in ENGL 1010.** An investigation of Egyptian art and architecture from the pre-dynastic period through the Roman occupation. May be taught concurrently with VISU 6610.

**3620. Classical Art (3). Pr. Grade of C or better in ENGL 1010.** An examination of art and architecture in the Classical World from the Bronze Age through the reign of Constantine the Great in relation to such topics as politics, religion, urbanization and empire building.

**3630. Modern Art to 1945. Pr., ENGL 1010.** A survey of modern art from the first Impressionist Exhibition in 1874 to the end of World War II in 1945. May be taught concurrently with VISU 6630.

**3640. Northern Renaissance Art (3). Pr. Undergraduate (Semesters) level ENGL 1010 Min. grade of C.** An exploration of painting, the graphic arts and architecture in the Netherlands, Germany, and France ca. 1350-1550.

**3650. Southern Art (3). Pr. ENGL 1010.** Southern art covers Colonial to Contemporary architecture, material culture, decorative arts, painting, photography, and sculpture of the American South, focusing especially on the arts of Alabama and African American art.

**3670. Classical Art and Architecture (3). Pr. Undergraduate (Semesters) level ENGL 1010 Min. grade of C.** A survey of Art and architecture in the Classical World from the Bronze Age through the reign of Constantine the Great in relation to such topics as politics, religion, urbanization and empire building.

**3722. Typography 2 (3). Pr., VISU 2702, VISU 2722.** Exploring contemporary letterforms with emphasis on the creative use of type in a digital format.

**3732. Graphic Design 2 (3). Pr., VISU 2732.** Methods and processes of graphic design problem solving and production techniques. Development of critical thinking, oral presentation and writing skills.

**3822. Advanced Digital Photography (3). Pr. VISU 2812.** Students learn advanced digital capture techniques and gain experience with flash equipment both in and out of studio, as well as learn how to work with a model.

**3912. Alternative Photography (3). Pr., VISU 2712 or VISU 2812.** Exploration of non-silver photographic processes utilizing digital negatives and hand coated emulsions. While many of the processes to be discussed were invented in the 19th century, they will be conceptually approached from a contemporary perspective.

**3960. Reading in Art History (3). Pr., VISU 2030 and VISU 2040.** Research in the literature in respect to an art historical period, personage or problem. May be repeated once for credit.

**4010. History of Photography (3).** A survey of the history of photography from its invention in 1839 to the present day.

**4100. The Artist in Film and Fiction (3).** This course examines visual artists and the creative process as depicted in film and fiction. Why does Western culture seem obsessed with the construction of the artist as a tortured genius? Do you have to be crazy to be an artist?

**4150. How to be an Artist? Fine Arts Professionalism (3).** This practical course provides third year Fine Arts students with the tools they need to develop a professional practice and identify, understand, and achieve career goals.



**4200. Contemporary Art Practice (3).** Pr., VISU 3732, minimum grade of C in ENGL 1010, and junior standing. Seminar-based class that addresses themes in contemporary art practice from the 1960s to the present. These themes will be studied through texts by artists, art historians, critical theorists, philosophers and others.

**4242. Advanced Painting (3).** Pr., VISU 3232. Optional problems and media with emphasis on personal expression. May be repeated for credit. May be taught concurrently with VISU 6202.

**4332. Sculpture 3 (3).** Pr., VISU 3322. Advanced exploration of sculptural problems, practices and materials with emphasis on the development of a personal style. May be repeated for credit.

**4342. Sculpture 4 (3).** Pr., VISU 4332. A continuation of Sculpture 3. Emphasis on strengthening the technical and aesthetic skills toward further development of a personal style. May be repeated for credit. May be offered concurrently with VISU 6302.

**4432. Ceramics 3 (3).** Pr. VISU 3422. Advanced exploration of problems, practices and materials in clay with emphasis on the development of a personal style. May be repeated for credit.

**4442. Ceramics 4 (3).** Pr. VISU 4432. A continuation of Ceramics 3. Emphasis on strengthening the technical and aesthetic skills toward further development of a personal style. May be repeated for credit. May be offered concurrently with VISU 6402.

**4702. Interaction Design (3).** Pr., VISU 2702. HTML, CSS, and Javascript. Emphasis on interactivity. Previous programming experience is not required.

**4712. Animation (3).** Pr., VISU 2702 and VISU 2732. Motion graphics output to different formats, with emphasis on effective problem solving using professional processes.

**4732. Advanced Graphic Design Theory and Practice (3).** Pr., VISU 3732 and VISU 3722. Implementation of design skills from previous design courses. Concentration on writing, research, design approach and final communication solutions.

**4742. Advertising Art (3).** Pr., VISU 3732 and ENGL 1010. Implementation of design skills from previous design courses. Concentration on research, varying design approaches and final communication solutions.

**4902. Individual Studio Project (1-3).** Pr., department head's approval. Advanced projects in the various disciplines, initiated by the student and undertaken with faculty supervision. May be repeated for credit. May be taught concurrently with VISU 6902.

**4922. Art Internship (3).** Pr., successful completion of Upper Level Foundation. A work schedule of 9 hours per week as a staff member with an approved internship sponsor under the direction of a supervising art director. Credit given as an art elective. Cannot be repeated for credit.

**4972. Special Topics in Visual Arts (3).** Pr., Permission of instructor. In-depth instruction and advanced research on a focused topic pertaining to art history or the visual arts. Topics will vary. May be repeated for credit twice on different topics. May be taught concurrently with VISU 6972.

**4982. Senior Project (3).** A senior project culminating the Studio or Graphic Design emphasis under the direction of the student's concentration adviser in painting, printmaking, sculpture, ceramics or graphic design. The student will make a presentation of his or her art work for review by the Fine Arts faculty.

## Board of Trustees

Auburn University is governed by a Board of Trustees consisting of one member from each congressional district, as these districts were constituted on Jan. 1, 1961; one member from Lee County; three at-large members, all of whom shall be residents of the continental United States; and the governor, who is ex-officio. The governor is the president. Prior to 2003, trustees were appointed by the governor, by and with the consent of the state Senate, for a term of 12 years. Any new trustees will be appointed by a committee, by and with the consent of the State Senate, for a term of seven years and may serve no more than two full seven-year terms. A member may continue to serve until a successor is confirmed, but in no case for more than one year after a completion of a term. Members of the board receive no compensation. Consistent with an executive order of the governor in 1971, a non-voting student representative selected by the student body serves as a member ex-officio.

## Members of the Board

Kay Ivey, Governor of Alabama, President (ex officio)      Montgomery

| Name                   | District           | Home           |
|------------------------|--------------------|----------------|
| <b>Term Ends 2019</b>  |                    |                |
| James Pratt            | Ninth              | Birmingham     |
| B.T. Roberts           | First              | Mobile         |
| Clark Sahlie           | Second             | Montgomery     |
| <b>Term Ends 2020</b>  |                    |                |
| Michael A. DeMaioribus | Eighth             | Huntsville     |
| Jimmy Sanford          | Fourth             | Prattville     |
| <b>Term Ends 2021</b>  |                    |                |
| Sarah B. Newton        | Seventh            | Fayette        |
| James W. Rane          | Third              | Abbeville      |
| <b>Term Ends 2022</b>  |                    |                |
| Bob Dumas              | Third (Lee County) | Auburn         |
| Elizabeth Huntley      | Sixth              | Clanton        |
| Gaines Lanier          | Fifth              | West Point, GA |

## Members at Large

|                       |          |                    |
|-----------------------|----------|--------------------|
| <b>Term Ends 2020</b> |          |                    |
| Wayne T. Smith        | At-Large | Franklin, TN       |
| <b>Term Ends 2021</b> |          |                    |
| Charles D. McCrary    | At-Large | Birmingham         |
| <b>Term Ends 2024</b> |          |                    |
| Lloyd J. Austin       | At-Large | St. Petersburg, FL |
| Raymond J. Harbert    | At-Large | Birmingham         |
| Quentin Riggins       | At-Large | Birmingham         |

## Advisory Members

President, Student Government Association, Auburn University (ex officio)  
 President, Student Government Association, Auburn Montgomery (ex officio)



## Faculty

### Year Faculty Started at AUM

|                                                                           |      |
|---------------------------------------------------------------------------|------|
| Aaij, Michel.....                                                         | 2006 |
| Associate Professor of English                                            |      |
| M.A., Ph.D., University of Alabama                                        |      |
| Aga, Mosisa.....                                                          | 2006 |
| Associate Professor of Mathematics                                        |      |
| B.S., M.S., Addis Ababa University; M.A., Ph.D., Wayne State University   |      |
| Aho, John M.....                                                          | 1992 |
| Associate Professor of Biology and Environmental Science                  |      |
| B.A. M.A., Wake Forest University; Ph.D., University of Exeter, England   |      |
| All, Anita.....                                                           | 2006 |
| Professor of Nursing                                                      |      |
| B.S.N., University of Wyoming; M.S.N., University of Northern Colorado;   |      |
| Ph.D., University of Colorado                                             |      |
| Allegro-Welsh, Deanne.....                                                | 2016 |
| Assistant Professor of Education                                          |      |
| B.S., Auburn University; M.S., University of Delaware                     |      |
| Amoroso, Don.....                                                         | 2014 |
| Professor of Information Systems                                          |      |
| Ph.D., University of Georgia                                              |      |
| Anderson, Wendy.....                                                      | 2013 |
| Lecturer in Information Systems                                           |      |
| B.S.B.A., M.B.A., Auburn University at Montgomery                         |      |
| Ang, David S.....                                                         | 1992 |
| Department Head and Professor of Information Systems and Decision Science |      |
| B.S., Ohio University; M.S., Ph.D., University of Alabama at Huntsville   |      |
| Arms-Chavez Clarissa.....                                                 | 2009 |
| Chair, Department of Psychology, Associate Professor of Psychology        |      |
| and Distinguished Teaching Professor                                      |      |
| B.S., Western Illinois University,                                        |      |
| M.A., Ph.D., University of Texas El-Paso                                  |      |
| Arnold, Steven E.....                                                     | 1998 |
| Chair, Department of Chemistry and                                        |      |
| Assistant Professor of Chemistry, Distinguished Teaching Professor        |      |
| B.S., Ph.D., Louisiana State University                                   |      |
| Austin, Sheila.....                                                       | 2008 |
| Dean of Education and Professor of Education                              |      |
| B.S., M.S., Ph.D., University of Toledo                                   |      |
| Bailey, Timothy P.....                                                    | 2000 |
| Librarian III and Systems Librarian                                       |      |
| B.A.; M.L.I.S., University of Alabama                                     |      |
| Baine, Breuna K.....                                                      | 2005 |
| Associate Professor of Fine Arts                                          |      |
| B.F.A., Savannah College of Art and Design; M.F.A., Auburn University     |      |
| Banning, Kevin C.....                                                     | 1997 |
| Department Head and Professor of Management                               |      |
| B.S., Indiana University; Ph.D., University of Florida                    |      |
| Barragan, Brannon.....                                                    | 2017 |
| Lecturer in Spanish                                                       |      |
| B.A., University of North Carolina at Asheville                           |      |
| M.A., University of Texas at El Paso                                      |      |

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| Bates, H. Jeffrey .....                                                     | 2012 |
| Senior Lecturer of Economics; Distinguished Lecturer                        |      |
| B.B.A., University of Montevallo;                                           |      |
| M.B.A., Auburn University at Montgomery                                     |      |
| Beard, Julie.....                                                           | 2018 |
| Assistant Professor of Communication Disorders                              |      |
| B.S.E., Arkansas State University;                                          |      |
| M.S., Ph.D., University of Arkansas for Medical Sciences                    |      |
| Belche, Abush G. ....                                                       | 2008 |
| Assistant Professor of Accounting                                           |      |
| B.A., Addis Ababa University; M.B.A., University of Arizona                 |      |
| Benson, Mark .....                                                          | 1988 |
| Associate Professor of Music                                                |      |
| B.Mus., M.Mus., Miami University;                                           |      |
| Ph.D., University of California at Los Angeles                              |      |
| Best, Rickey D. ....                                                        | 1986 |
| Librarian IV and Collection Development Librarian                           |      |
| B.A., M.A., University of California, Riverside;                            |      |
| M.L.I.S., University of California at Berkeley                              |      |
| Beziat, Tara.....                                                           | 2014 |
| Associate Professor of Education                                            |      |
| B.S., University of Maryland; M.Ed., John Carroll University,               |      |
| Ph.D. Kent State University                                                 |      |
| Bicard, Sara E. ....                                                        | 2011 |
| Professor of Education                                                      |      |
| B.S., University of Southern Mississippi;                                   |      |
| M.Ed., University of Southern Mississippi; Ph.D., Ohio State University     |      |
| Bolton, Dorcia E. ....                                                      | 2018 |
| Assistant Professor of Marketing                                            |      |
| B.B.A., University of Technology; M.B.A., Florida International University; |      |
| A.B.D., Cleveland State University                                          |      |
| Bourke, Nicholas F. ....                                                    | 2011 |
| Associate Professor of Education                                            |      |
| B.S., M.S., Auburn University; Ed.D. University of Alabama                  |      |
| Bowden, Shelly J. ....                                                      | 1996 |
| Professor of Education and Distinguished Teaching Professor                 |      |
| B.S., Morehead State University; M.S., Troy State University;               |      |
| Ph.D., Florida State University                                             |      |
| Brackett, Kimberly P. ....                                                  | 1996 |
| Associate Dean, College of Liberal Arts and Social Sciences and             |      |
| Professor of Sociology; Distinguished Teaching Professor                    |      |
| B.S., Jacksonville University; M.A., Ph.D., University of Florida           |      |
| Brooks, John.....                                                           | 2017 |
| Assistant Professor of Political Science and Public Administration          |      |
| B.A., University of Pennsylvania; M.P.A., University of Georgia;            |      |
| Ph.D., University of California Berkeley                                    |      |
| Bulman, Jan K. ....                                                         | 2003 |
| Associate Professor of History                                              |      |
| B.A., Oakland University; M.A., Ph.D., Michigan State University            |      |



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| Burger, Michael.....                                                                      | 2009 |
| Professor of History                                                                      |      |
| B.A., Michigan State University;                                                          |      |
| M.A., Ph.D., University of California, Santa Barbara                                      |      |
| Burks, Brooke A. ....                                                                     | 2011 |
| Associate Professor of Education                                                          |      |
| B.A., Tuskegee University; M.Ed., Ph.D., Auburn University                                |      |
| Burton, Brooke.....                                                                       | 2012 |
| Assistant Clinical Professor of Nursing                                                   |      |
| B.S.N., M.S.N., Auburn Montgomery                                                         |      |
| Caldwell, Robyn.....                                                                      | 2017 |
| Assistant Professor of Nursing                                                            |      |
| B.S.N., M.S.N., University of Tennessee, D.N.P. Samford University                        |      |
| Campbell, Sherry.....                                                                     | 2016 |
| Clinical Assistant Professor                                                              |      |
| B.S., M.S., Ph.D., Georgia Southwestern State University                                  |      |
| Carol, Rolando .....                                                                      | 2013 |
| Associate Professor of Psychology                                                         |      |
| B.A., M.S., Ph.D., Florida International University                                       |      |
| Chen, Tianran .....                                                                       | 2016 |
| Assistant Professor of Mathematics                                                        |      |
| B.A., Western Connecticut State University;                                               |      |
| Ph.D., Michigan State University                                                          |      |
| Chen, Yue.....                                                                            | 2015 |
| Assistant Professor of Mathematics                                                        |      |
| B.S., M.S., Shanghai University; M.S., Ph.D., Louisiana State University                  |      |
| Chon, Don .....                                                                           | 2011 |
| Associate Professor of Criminal Justice                                                   |      |
| M.S., Chicago State University; Ph.D., Florida State University                           |      |
| Ciesieliski, Grzegorz "Greg" .....                                                        | 2018 |
| Assistant Professor of Chemistry                                                          |      |
| B.S., M.S., Ph.D. University of Gdansk                                                    |      |
| Clark, Joy .....                                                                          | 1988 |
| Associate Provost for Undergraduate Studies and                                           |      |
| Honors Professor of Economics; Distinguished Teaching Professor                           |      |
| B.S., M.S., Auburn University; Ph.D., Texas A&M University                                |      |
| Clark, Sally .....                                                                        | 2018 |
| Lecturer of Mathematics                                                                   |      |
| B.S., Auburn University at Montgomery; M.S., University of North Carolina at Chapel Hill; |      |
| Ph.D., Auburn University                                                                  |      |
| Cobb, Aaron D. ....                                                                       | 2010 |
| Associate Professor of Philosophy                                                         |      |
| B.A., Greenville College; M.A., Western Michigan University;                              |      |
| Ph.D., Saint Louis University                                                             |      |
| Cochran, Courtney .....                                                                   | 2017 |
| Assistant Professor of Nursing                                                            |      |
| B.S.N. Auburn University at Montgomery, M.S.N., D.N.P. University of South Alabama        |      |
| Colvin, Natasha .....                                                                     | 2018 |
| Assistant Professor of Nursing                                                            |      |
| B.S.N., University of Alabama - Huntsville                                                |      |
| M.S.N., Ed.D., University of Alabama - Tuscaloosa                                         |      |

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| Cortell, Andrew P. ....                                                                                                                                                                                         | 2013 |
| Head, Department of Political Science and Public Administration<br>and Professor of Political Science and Public Administration<br>B.A. Wesleyan University; M.I.A., M. Phil., Ph.D., Columbia University       |      |
| Costa, Gabriel C. ....                                                                                                                                                                                          | 2017 |
| Assistant Professor of Biology; and Environmental Science; Program Coordinator for<br>Environmental Science and GIS;<br>B.A., M.S., University of Brasilia; Ph.D., University of Oklahoma                       |      |
| Danderson, Clark.....                                                                                                                                                                                           | 2018 |
| Lecturer for Biology and Environmental Science<br>B.S. University of New Hampshire<br>M.S., Ph.D., University of Illinois                                                                                       |      |
| Daniel, Haley Dyer .....                                                                                                                                                                                        | 2014 |
| Senior Lecturer, School of Accountancy<br>M.Acc., Auburn University                                                                                                                                             |      |
| Deal, Keren H. ....                                                                                                                                                                                             | 2000 |
| Professor of Accounting<br>B.S., M.B.A., Auburn University at Montgomery;<br>Ph.D., Auburn University; C.P.A.                                                                                                   |      |
| Dinc, Semih .....                                                                                                                                                                                               | 2016 |
| Assistant Professor of Mathematics and Computer Science<br>B.Sc., Docuz Eylul University - Turkey<br>M.Sc., Yildiz Technical University - Turkey<br>M.Sc., Ph.D., University of Alabama - Huntsville            |      |
| Duenas, Gilbert.....                                                                                                                                                                                            | 2011 |
| Professor of Education<br>B.S., University of Maryland; M.Ed., Auburn University at Montgomery;<br>Ph.D., Auburn University                                                                                     |      |
| Dugan, Kathy.....                                                                                                                                                                                               | 2012 |
| Assistant Professor, Medical Laboratory Science<br>B.S., M.Ed., M.T. (A.S.C.P.), Auburn University at Montgomery                                                                                                |      |
| El Badawy, Tarek A. ....                                                                                                                                                                                        | 2016 |
| Associate Professor, Business Administration<br>Ph.D., Virginia Tech                                                                                                                                            |      |
| Evans, Robert C. ....                                                                                                                                                                                           | 1982 |
| Professor of English, Distinguished Research Professor, Distinguished<br>Teaching Professor, Alumni Service Professor, Ida Belle Young Professor<br>B.A., University of Pittsburgh; Ph.D., Princeton University |      |
| Farrow, Lee A. ....                                                                                                                                                                                             | 1999 |
| Professor of History, Distinguished Teaching Professor,<br>B.A., University of New Orleans; M.A., Ph.D., Tulane University                                                                                      |      |
| Feltmate, David S. ....                                                                                                                                                                                         | 2011 |
| Associate Professor of Sociology<br>B.A., St. Thomas University; M.A., Wilfrid Laurier University;<br>Ph.D., University of Waterloo                                                                             |      |
| Fenn, William.....                                                                                                                                                                                              | 2011 |
| Chair, Department of Fine Arts, and Honors Associate Professor of Fine Arts<br>B.A., California State University, Fresno<br>M.F.A., University of California, Santa Barbara                                     |      |
| Foo, Cornell .....                                                                                                                                                                                              | 2013 |
| Associate Professor of Education<br>B.S., Brewer Parker College; M.Ed., University of Georgia;<br>Ph.D., University of Florida                                                                                  |      |



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| Fox, Paul.....                                                          | 2016 |
| Lecturer in History                                                     |      |
| B.A., M.A., University of Texas-San Antonio; M.A. Auburn University     |      |
| Ph.D. Auburn University                                                 |      |
| Fowler, Angela.....                                                     | 2018 |
| Lecturer in Composition                                                 |      |
| B.A., M.A., Mississippi State University                                |      |
| Ph.D., Auburn University                                                |      |
| Fowler, Heath.....                                                      | 2013 |
| Lecturer in Composition                                                 |      |
| B.A., Mississippi State University; M.A., Auburn University             |      |
| Francisco, James.....                                                   | 2014 |
| Assistant Professor of Economics                                        |      |
| B.A. Auburn University; J.D., University of Texas;                      |      |
| Ph.D., Auburn University                                                |      |
| Freeman, Julie.....                                                     | 2011 |
| Associate Professor of Nursing                                          |      |
| B.S.N., Auburn Montgomery; M.S.N., University of South Alabama;         |      |
| D.N.P., University of South Alabama                                     |      |
| Fulford, Teran Renee,                                                   |      |
| Clinical Assistant Professor of Communication Disorders .....           | 2011 |
| B.S., M.S. University of Montevallo                                     |      |
| Funches, Venessa .....                                                  | 2006 |
| Associate Dean of Academic Programs and                                 |      |
| Associate Professor of Marketing                                        |      |
| B.S.M., Tulane University; M.B.A., University of Alabama at Birmingham; |      |
| Ph.D., University of Alabama                                            |      |
| Gamble, Hilary R. ....                                                  | 2016 |
| Assistant Professor of Communication                                    |      |
| B.A., M.A., University of Arkansas; Ph.D., University of Arizona        |      |
| Gantt, John T. ....                                                     | 2007 |
| Librarian II and Head of Technical Services                             |      |
| B.A., University of North Carolina Chapel Hill;                         |      |
| M.L.I.S., Wayne State University                                        |      |
| Gerard, William Blake.....                                              | 2002 |
| Professor of English                                                    |      |
| B.A., M.A., Florida Atlantic University; Ph.D., University of Florida   |      |
| Ghodke, Nikhil.....                                                     | 2018 |
| B.A., Mumbai University, M.F.A., Savannah College of Art and Design     |      |
| Gish, Steven D. ....                                                    | 1997 |
| Professor of History and Distinguished Research Professor               |      |
| B.A., Northwestern University; A.M., Ph.D., Stanford University         |      |
| Goddard II, Jerome.....                                                 | 2011 |
| Associate Professor of Mathematics                                      |      |
| B.S., M.S., Mississippi College; Ph.D., Mississippi State University    |      |
| Godwin, Ashley Miles .....                                              | 2010 |
| Clinical Associate Professor, Department Head of Communication          |      |
| Disorders and Director Speech and Hearing Clinic                        |      |
| B.S., Au.D., Auburn University                                          |      |
| Goodson, Jane R. ....                                                   | 1986 |
| Honors Professor of Management                                          |      |
| B.S., M.S., Ph.D., University of Alabama                                |      |

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|----------------------------------------------------------------------------------------|------|
| Gray, Jason .....                                                                      | 2016 |
| Lecturer in Philosophy                                                                 |      |
| B.A., University of Alabama; M.A., Georgia State University;                           |      |
| Ph.D., University of California at Riverside                                           |      |
| Gribben, Alan .....                                                                    | 1991 |
| Professor of English, Distinguished Research Professor                                 |      |
| and Alumni Service Professor                                                           |      |
| B.A., University of Kansas; M.A., University of Oregon;                                |      |
| Ph.D., University of California at Berkeley                                            |      |
| Grilliot, Matthew .....                                                                | 2016 |
| Assistant Professor of Biology and Environmental Science                               |      |
| B.S., Ph.D., Auburn University                                                         |      |
| Gross, Michael K. ....                                                                 | 2006 |
| Associate Clinical Professor of Education                                              |      |
| B.S., M.Ed., Auburn University at Montgomery;                                          |      |
| Ph.D., Auburn University                                                               |      |
| Haddix, Pryce L, "Pete" .....                                                          | 2005 |
| Associate Professor of Biology and Environmental Science                               |      |
| B.A., Transylvania University; Ph.D., University of Kentucky                           |      |
| Ha, HoeHun "Bryan" .....                                                               | 2006 |
| Assistant Professor of Biology and Environmental Science                               |      |
| B.S., Utah State University;                                                           |      |
| M.A., Ph.D., State University of New York at Buffalo                                   |      |
| Hahn, TeWhan.....                                                                      | 2006 |
| Professor of Finance                                                                   |      |
| B.S., M.S., Chonnam National University;                                               |      |
| M.B.A., University of Missouri; Ph.D., University of Alabama                           |      |
| Hairstans, Andrew .....                                                                | 2006 |
| Associate Professor of Fine Arts                                                       |      |
| B.A., Duncan of Jordanstone College of Art and Design, University of Dundee, Scotland; |      |
| M.F.A., Southern Illinois University at Carbondale                                     |      |
| Hand, Cheryl .....                                                                     | 2016 |
| Lecturer of Mathematics                                                                |      |
| B.S., M.S., Auburn University                                                          |      |
| Hard, Paul .....                                                                       | 2007 |
| Associate Professor of Education                                                       |      |
| B.S., University of Mobile; M.A., Ph.D., University of Alabama                         |      |
| Harmon, Dana.....                                                                      | 2018 |
| Assistant Professor of Social Work                                                     |      |
| B.A., University of Alabama; M.S.W., Loyola University Chicago                         |      |
| Ph.D., University of Alabama                                                           |      |
| Harper, Bridgette D. ....                                                              | 2006 |
| Associate Professor of Psychology                                                      |      |
| B.A., M.A., Western Kentucky University;                                               |      |
| Ph.D., University of Texas at Dallas                                                   |      |
| Harrington, Christine M.....                                                           | 2016 |
| Associate Professor of Finance                                                         |      |
| B.S., University of Cincinnati; M.A., Ohio State University;                           |      |
| Ph.D., West Virginia University                                                        |      |
| Harris-Fain, Darren .....                                                              | 2011 |
| Professor of English                                                                   |      |
| B.A., Ohio University; M.A., Ph.D., Kent State University                              |      |



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| Harrison, Melinda .....                                                           | 2019 |
| Lecturer in English                                                               |      |
| B.A., University of Illinois at Urbana-Champaign; M.A., Illinois State University |      |
| Ed.S. University of Alabama at Birmingham                                         |      |
| Havard, John .....                                                                | 2012 |
| Chair, Department of English and Philosophy and Associate Professor of English    |      |
| B.A., University of South Alabama; M.A., University of South Carolina;            |      |
| Ph.D., University of Rochester                                                    |      |
| Hayes, Jessica .....                                                              | 2016 |
| Librarian II and Head of Public Services                                          |      |
| B.A., Samford University                                                          |      |
| M.L.I.S., University of Alabama                                                   |      |
| He, Xiaoyun .....                                                                 | 2013 |
| Associate Professor of Information Systems                                        |      |
| B.S., Brigham Young University; M.B.A., University of Utah;                       |      |
| Ph.D., Rutgers University                                                         |      |
| Hemmings, Carrie .....                                                            | 2016 |
| Assistant Professor of Education                                                  |      |
| B.A., University of South Carolina; M.A. University of North Carolina;            |      |
| M.Ed., Auburn University at Montgomery; Ph.D., Auburn University                  |      |
| Henderson, Cynthia .....                                                          | 2016 |
| Assistant Professor of Nursing                                                    |      |
| B.S.N., Samford University; M.S., Jacksonville State University;                  |      |
| D.N.P., Samford University                                                        |      |
| Henderson, Timothy J. ....                                                        | 1996 |
| Professor of History, and Distinguished Research Professor                        |      |
| B.A., M.A., University of Texas;                                                  |      |
| Ph.D., University of North Carolina at Chapel Hill                                |      |
| Hogan, Jan .....                                                                  | 2004 |
| Associate Professor of Education                                                  |      |
| B.S., Samford University; M.Ed., Troy University Montgomery;                      |      |
| Ph.D., Auburn University                                                          |      |
| Howard, Nicholas O. ....                                                          | 2016 |
| Assistant Professor of Political Science and Public Administration                |      |
| B.A., Carleton College; M.A., University of Kansas;                               |      |
| Ph.D., University of North Carolina                                               |      |
| Howard, Shannon .....                                                             | 2014 |
| Director, Master of Teaching Writing and                                          |      |
| Associate Professor of English                                                    |      |
| B.A., Presbyterian College; M.Ed., M.A., University of South Alabama;             |      |
| Ph.D., University of Louisville                                                   |      |
| Huang, Cheng-Chi.....                                                             | 1984 |
| Associate Professor of Mathematics                                                |      |
| B.S., Taiwan Normal University; M.S., Auburn University;                          |      |
| Ph.D., Iowa State University                                                      |      |
| Hughes, David A. ....                                                             | 2016 |
| Assistant Professor of Political Science and Public Administration                |      |
| B.S., University of Montevallo; Ph.D., University of Georgia                      |      |
| Hutchison, John M.....                                                            | 2011 |
| Associate Professor of Chemistry                                                  |      |
| B.S., University of Southern Indiana; Ph.D., University of Arkansas               |      |

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| Ingram, W. Rhea.....                                                          | 2008 |
| Professor of Marketing                                                        |      |
| B.S.B.A., M.B.A., Troy University; Ph.D., University of Kentucky              |      |
| Ioimo, Ralph E.....                                                           | 2000 |
| Professor and Department Head of Criminal Justice                             |      |
| B.A., California State Polytechnic University;                                |      |
| M.S., California Lutheran University;                                         |      |
| D.P.A., Nova Southeastern University                                          |      |
| Jackson, Charles.....                                                         | 2015 |
| Senior Lecturer, Business Administration                                      |      |
| M.B.A., Auburn University at Montgomery                                       |      |
| Jensen, Suzanne.....                                                          | 1987 |
| Honors Associate Professor of Fine Arts                                       |      |
| B.F.A., Indiana State University; M.F.A., Tulane University                   |      |
| Johnson, Kimberly.....                                                        | 2005 |
| Associate Dean of Student Engagement & Success, and                           |      |
| Associate Professor of Management                                             |      |
| B.S., Tennessee State University; M.S., Ph.D., Auburn University              |      |
| Johnson, Phill.....                                                           | 2015 |
| Librarian III and Dean of the Library                                         |      |
| B.S., Missouri Southern State University                                      |      |
| J.D., Washburn University School of Law                                       |      |
| M.S.L.I.S., University of Illinois                                            |      |
| Johnson, Raymond M. ....                                                      | 1970 |
| Professor of Finance                                                          |      |
| B.S., M.B.A., University of Southern Mississippi;                             |      |
| M.S., Ph.D., Oklahoma State University                                        |      |
| Jones, Kathy W.....                                                           | 2005 |
| Associate Professor Medical Laboratory Science                                |      |
| B.S., M.S., Troy University; M.L.S. (A.S.C.P.), St. Margaret's Hospital       |      |
| Jourdan, Stephen Zack.....                                                    | 2010 |
| Associate Professor of Information Systems                                    |      |
| B.B.A., M.S.I.S., Mississippi State University;                               |      |
| Ph.D., Auburn University                                                      |      |
| Justice, Alethea.....                                                         | 2014 |
| Assistant Clinical Professor                                                  |      |
| A.S.N., Troy Montgomery; B.S.N., University of South Carolina - Aiken;        |      |
| M.S.N., University of Phoenix                                                 |      |
| Kalu, Kalu N. ....                                                            | 2006 |
| Professor of Political Science and Public Administration, and                 |      |
| Distinguished Research Professor                                              |      |
| B.S., Rutgers University; M.B.A., Atlanta University;                         |      |
| Ph.D., Texas Tech University                                                  |      |
| Kaur, Prit.....                                                               | 2011 |
| Associate Professor of Criminal Justice                                       |      |
| Ph.D., Panjab University;                                                     |      |
| Post-Doctorate, California State University, Sacramento                       |      |
| Kelley, Joyce.....                                                            | 2009 |
| Associate Professor of English, and Emerging Distinguished Teaching Professor |      |
| B.A., Haverford College; M.A., Ph.D., University of Iowa                      |      |
| Kent, Elizabeth.....                                                          | 2013 |
| Lecturer in Composition                                                       |      |
| B.A., M.A., Auburn University                                                 |      |



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|-------------------------------------------------------------------------|------|
| Kiker, D. Scott .....                                                   | 2002 |
| Associate Professor of Management                                       |      |
| B.S., University of South Carolina; Ph.D., University of Florida        |      |
| Kiker, Mary D. ....                                                     | 1999 |
| Professor of Management                                                 |      |
| B.S.B.A., M.B.A., Creighton University; Ph.D., University of Florida    |      |
| Killmeier, Matthew A. ....                                              | 2016 |
| Department Head, Associate Professor of Communication                   |      |
| B.A., University of Louisville; M.A., Ph.D., University of Iowa         |      |
| Kim, Duk K. "Daniel" .....                                              | 2006 |
| Professor of Chemistry                                                  |      |
| B.S., M.S., Yonsei University; Ph.D., Florida International University  |      |
| Kim, Eunyoung .....                                                     | 2017 |
| Assistant Professor of Communication                                    |      |
| B.A., M.A., Kookmin University; M.A., Texas State University;           |      |
| Ph.D., University of Alabama                                            |      |
| Kim, Jongheon.....                                                      | 2015 |
| Assistant Professor of Information Systems                              |      |
| Ph.D., University of Nebraska - Lincoln                                 |      |
| King, Joe M. ....                                                       | 2012 |
| Professor of Biology and Environmental Science                          |      |
| B.S., M.S., Sam Houston State University;                               |      |
| Ph.D. University of Texas, Austin                                       |      |
| Klash, Erin.....                                                        | 2016 |
| Assistant Professor of Education                                        |      |
| B.A., Texas A & M University;                                           |      |
| M.Ed., Auburn University at Montgomery; Ph.D., Auburn University        |      |
| Klevay, Robert.....                                                     | 2009 |
| Associate Professor of English                                          |      |
| B.A., Hillsdale College; M.A., Ph.D., University of Delaware            |      |
| Koelling, Vanessa.....                                                  | 2018 |
| Assistant Professor, Department of Biology and Environmental Science    |      |
| B.A. Reed College, Ph.D., University of Georgia                         |      |
| Knigge, Pia A. ....                                                     | 1997 |
| Assistant Professor of Political Science and Public Administration      |      |
| M.A., Bamberg University (Germany); Ph.D., University of Kentucky       |      |
| Krawczynski, Keith.....                                                 | 2000 |
| Professor of History and Distinguished Research Professor               |      |
| B.A., University of Texas-San Antonio; M.A., Baylor University;         |      |
| Ph.D., University of South Carolina                                     |      |
| Kroft, Tim L.....                                                       | 2012 |
| Associate Professor of Biology and Environmental Science                |      |
| B.A., Miami University; Ph.D. Northwestern University                   |      |
| Lan, Yuxing "Simon" .....                                               | 2007 |
| Associate Professor of Economics                                        |      |
| B.A., South Central University for Nationalities, China;                |      |
| Ph.D., Southern Illinois University Carbondale                          |      |
| Lane, Scott .....                                                       | 2016 |
| Director of School of Accountancy and Associate Professor of Accounting |      |
| B.S. University of Massachusetts at Lowell;                             |      |
| M.S., Texas A&M University; Ph.D., University of Kentucky               |      |

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|-----------------------------------------------------------------------|------|
| Lang, Teresa.....                                                     | 2011 |
| Professor of Accounting                                               |      |
| B.S., University of Florida; M.A., Ph.D., Auburn University           |      |
| Langham, Ginny.....                                                   | 2009 |
| Assistant Clinical Professor of Nursing                               |      |
| B.S.N., Auburn University at Montgomery;                              |      |
| M.S.N., D.N.P., University of South Alabama                           |      |
| Lee, Kin Shun Enoch .....                                             | 2005 |
| Associate Professor of Mathematics                                    |      |
| B.S., Hong Kong Baptist University;                                   |      |
| M.S., Ph.D., University of Louisiana                                  |      |
| Lehman, Brett.....                                                    | 2016 |
| Assistant Professor of Sociology                                      |      |
| B.A., Albright College; M.A., Ph.D., Louisiana State University       |      |
| Leifer, Kimberly .....                                                | 2019 |
| Lecturer in English                                                   |      |
| B.A., M.A., Auburn University at Montgomery                           |      |
| Leuner, Jean D'Meza.....                                              | 2015 |
| Dean, College of Nursing and Health Sciences and Professor of Nursing |      |
| B.S.N., Seton Hall University; M.S.N., Ph.D., Boston College          |      |
| Lewis, Timothy .....                                                  | 2011 |
| Associate Professor of Education                                      |      |
| B.S., Auburn University; M.A., Ph.D., University of Alabama           |      |
| Ligeon, Carel.....                                                    | 2001 |
| Head, Department of Economics, and Professor of Economics             |      |
| B.S., University of Suriname; Ph.D., Auburn University                |      |
| Lim, Ricardo A. ....                                                  | 2018 |
| Visiting Professor of Information Systems                             |      |
| B.C., McGill University; M.B.A., University of Virginia;              |      |
| Ph.D., University of South Carolina                                   |      |
| Linna, Kenneth W.....                                                 | 1999 |
| Associate Professor of Statistics                                     |      |
| B.S.B.A., M.B.A., Auburn University at Montgomery;                    |      |
| Ph.D., University of Alabama                                          |      |
| LoBello, Steven G. ....                                               | 1989 |
| Professor of Psychology                                               |      |
| B.A., Christian Brothers College; M.S., Mississippi State University; |      |
| Ph.D., University of Southern Mississippi                             |      |
| Locklear, Amylee .....                                                | 2010 |
| Lecturer in Composition and Distinguished Lecturer                    |      |
| B.A., College of William and Mary; M.A., Auburn University            |      |
| Long, Pamela H. ....                                                  | 2002 |
| Professor of Spanish and Coordinator, World Languages and Cultures    |      |
| B.A., M.A., Auburn University; Ph.D., Tulane University               |      |
| McDonald, Gloria S. ....                                              | 2016 |
| Lecturer                                                              |      |
| B.A., Wesleyan College; M.S., University of Florida                   |      |
| McNeilly, Samantha .....                                              | 2015 |
| Librarian II and Teaching & Outreach Librarian                        |      |
| B.A., M.L.A., Auburn University at Montgomery                         |      |
| M.L.I.S., University of Alabama                                       |      |



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| Mehta, Sheila .....                                                                          | 1993 |
| Associate Professor of Psychology                                                            |      |
| A.B., Brown University; M.A., Ph.D., University of Connecticut                               |      |
| Miller, Debra.....                                                                           | 2013 |
| Assistant Clinical Professor of Nursing                                                      |      |
| B.S.N., Auburn Montgomery; M.S.N., Samford University                                        |      |
| Mina, Lilian .....                                                                           | 2016 |
| Director of Composition and Assistant Professor of English;                                  |      |
| B.A., Cairo University; M.A., American University in Cairo;                                  |      |
| Ph.D., Indiana University of Pennsylvania                                                    |      |
| Moninski, Anthony .....                                                                      | 2018 |
| QEP Director and Lecturer of Mathematics                                                     |      |
| B.A., Pennsylvania State University; M.S., Texas A&M University; M.A., University of Houston |      |
| Moody, Daniel.....                                                                           | 2017 |
| Librarian II and Emerging Technologies Librarian                                             |      |
| B.A., M.T.S., Emory University M.L.I.S. Valdosta State University                            |      |
| Moore, Evan C. ....                                                                          | 2002 |
| Professor of Economics                                                                       |      |
| B.S., Virginia Commonwealth University;                                                      |      |
| M.A., Ph.D., Virginia Polytechnic Institute and State University                             |      |
| Moore, Lili.....                                                                             | 2016 |
| Lecturer                                                                                     |      |
| B.A., M.Ed., Auburn University at Montgomery                                                 |      |
| Morton, Rhonda Collins.....                                                                  | 1991 |
| Professor of Education; Distinguished Teaching Professor                                     |      |
| B.S., M.Ed., College of Charleston; Ph.D., Florida State University                          |      |
| Napper, Sarah .....                                                                          | 2018 |
| Assistant Professor of Criminal Justice                                                      |      |
| B.S., M.A., University of West Georgia                                                       |      |
| Ph.D., Georgia State University                                                              |      |
| Newman, Joseph A. ....                                                                       | 2003 |
| Professor of Finance                                                                         |      |
| B.S., Indiana University; M.B.A., Ph.D., University of Tennessee                             |      |
| Oh, Dong-Yop .....                                                                           | 2018 |
| B.A., B.S., Pukyong National University-South Korea;                                         |      |
| M.S., Ph.D., University of Alabama - Tuscaloosa                                              |      |
| Okeke, Benedict C. ....                                                                      | 2005 |
| Professor of Biology and Environmental Sciences, Distinguished Research Professor,           |      |
| Ida Belle Young Professor                                                                    |      |
| B.S., University of Nigeria; M.S., Ph.D., University of Strathclyde                          |      |
| O'Neill, Ann Marie.....                                                                      | 2016 |
| Assistant Professor of Biology and Environmental Sciences                                    |      |
| B.Sc., Edith Cowan University; Ph.D., Auburn University                                      |      |
| Pape, Patrick.....                                                                           | 2018 |
| Assistant Professor of Computer Science                                                      |      |
| B.A., University of Alabama at Huntsville                                                    |      |
| M.S., Ph.D., Auburn University                                                               |      |
| Parenteau, Stacy C. ....                                                                     | 2012 |
| Associate Professor of Psychology                                                            |      |
| B.A., University of Massachusetts; M.A., Ph.D., University of Kansas                         |      |
| Paulk, Rachel .....                                                                          | 2009 |
| Instructor in Mathematics                                                                    |      |
| B.S., M.Ed., Auburn University Montgomery                                                    |      |

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|-------------------------------------------------------------------------|------|
| Pelfrey, Theresa .....                                                  | 2009 |
| Associate Professor of Criminal Justice                                 |      |
| B.S., M.S.W., J.D., University of Alabama                               |      |
| Periatt, Jeffrey A. ....                                                | 1999 |
| Associate Professor of Marketing                                        |      |
| B.S.B.S., M.B.A., University of Southern Mississippi;                   |      |
| D.B.A., Mississippi State University                                    |      |
| Presley, Cynthia.....                                                   | 2017 |
| Assistant Clinical Professor of Nursing                                 |      |
| B.S. Auburn University, M.S. University of Montevallo                   |      |
| Pyszka, Kimberly .....                                                  | 2013 |
| Associate Professor of Anthropology                                     |      |
| B.S., College of Charleston;                                            |      |
| M.A., Ph.D., University of Tennessee, Knoxville                         |      |
| Qian, Li .....                                                          | 2012 |
| Associate Professor of Medical Laboratory Science                       |      |
| M.T. (A.S.C.P.), Auburn University at Montgomery                        |      |
| M.D., Tianjin Medical College                                           |      |
| Ragland, Matthew.....                                                   | 2005 |
| Associate Provost for Graduate Studies and Faculty Services,            |      |
| Professor of Mathematics                                                |      |
| B.S., Morehead State University; M.S., Ph.D., University of Kentucky    |      |
| Ray, Glen E.....                                                        | 1994 |
| Professor of Psychology and Distinguished Teaching Professor            |      |
| B.S., Arkansas State University; M.S., Memphis State University;        |      |
| Ph.D., University of Memphis                                            |      |
| Reilly, Erin R. ....                                                    | 2001 |
| Professor of Education and Distinguished Teaching Professor             |      |
| B.S., Southeast Missouri State University; M.A., University of Alabama; |      |
| Ph.D., University of Kansas                                             |      |
| Reno, Seth.....                                                         | 2013 |
| Associate Professor of English                                          |      |
| B.A., M.A., Ph.D., Ohio State University                                |      |
| Rhodes, Marilyn .....                                                   | 2018 |
| Professor of Nursing                                                    |      |
| B.S.N., Spalding University; M.S.N., University of Kentucky;            |      |
| Ed.D., Spalding University                                              |      |
| Ritvo, Roger A. ....                                                    | 1997 |
| Professor of Management                                                 |      |
| B.A., Ph.D., Case Western Reserve University;                           |      |
| M.B.A., George Washington University                                    |      |
| Roy Choudhury, Agnitra.....                                             | 2018 |
| Visiting Assistant Professor of Economics                               |      |
| B.S., State University of New York College at Plattsburgh               |      |
| Ph.D., Binghamton University                                            |      |
| Runco, Mariano G. ....                                                  | 2009 |
| Associate Professor of Economics                                        |      |
| B.S., University of Argentina de la Empresa;                            |      |
| M.S., Ph.D., Arizona State University                                   |      |
| Russell, Randy D. ....                                                  | 1984 |
| Assistant Professor of Physical Science                                 |      |
| B.S., Cameron University; M.S., Iowa State University                   |      |



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| Ryan, James E. ....                                                                    | 2015 |
| Associate Professor of Information Systems                                             |      |
| Ph.D., Auburn University                                                               |      |
| Sahinoglu, Suna .....                                                                  | 2011 |
| Lecturer in Chemistry                                                                  |      |
| B.Sc., M.Sc., Middle East Technical University                                         |      |
| Schaefer, George R. ....                                                               | 2008 |
| Head of Kinesiology, Professor of Education                                            |      |
| B.S., Lyndon State College; M.S.S., United States Sports Academy;                      |      |
| Ph.D., University of New Mexico                                                        |      |
| Seay, Rhonda .....                                                                     | 2015 |
| Senior Lecturer and Graduate Advisor, School of Accountancy                            |      |
| M.Acc., Auburn University                                                              |      |
| Seibel, Neil David .....                                                               | 2008 |
| Associate Professor of Theatre and Developing Faculty Scholar                          |      |
| B.A., Northern Kentucky University; M.F.A., University of California Irvine            |      |
| Sellers, Jenna .....                                                                   | 2018 |
| Assistant Professor of Nursing                                                         |      |
| B.S.N. University of Alabama - Birmingham                                              |      |
| M.S.N., D.N.P., University of South Alabama                                            |      |
| Severance, Ben H.....                                                                  | 2005 |
| Chair, Department of History and World Languages and Cultures and Professor of History |      |
| B.A., University of Washington; M.A., Clemson University;                              |      |
| Ph.D., University of Tennessee in Knoxville                                            |      |
| Shifferd, Jason.....                                                                   | 2016 |
| Lecturer in Composition                                                                |      |
| B.A., M.L.A., Auburn University at Montgomery                                          |      |
| Shumack, Kellie.....                                                                   | 2008 |
| Head of Curriculum, Instruction, and Technology, and                                   |      |
| Professor of Education                                                                 |      |
| B.S., M.Ed., Auburn University; Ph.D. Mississippi State University                     |      |
| Si, Lin "Emma," .....                                                                  | 2017 |
| Assistant Professor of Chemistry                                                       |      |
| B.S., Shandong Normal University; M.S., Carleton University;                           |      |
| Ph.D., McGill University                                                               |      |
| Simmons, Kate .....                                                                    | 2007 |
| Professor of Education                                                                 |      |
| B.S., M.S., Ph.D., Auburn University                                                   |      |
| Simmons, Michael B.....                                                                | 1999 |
| Professor of History and Distinguished Research Professor                              |      |
| B.A., University of South Alabama; M.Div., Duke University;                            |      |
| S.T.M., Yale University; Ph.D., Edinburgh University                                   |      |
| Sims, Clayton.....                                                                     | 2018 |
| Lecturer in Composition                                                                |      |
| B.A., M.L.A., Auburn University at Montgomery                                          |      |
| Slipp, Naomi.....                                                                      | 2015 |
| Assistant Professor Fine Arts                                                          |      |
| B.A., Hampshire College; M.A., University of Chicago;                                  |      |
| Ph.D., Boston University                                                               |      |
| Smith, Donna.....                                                                      | 2016 |
| Lecturer in Composition;                                                               |      |
| B.A., M.L.A., Auburn University at Montgomery                                          |      |

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|-------------------------------------------------------------------------------------|------|
| Smith, Luke .....                                                                   | 2014 |
| Associate Professor of Education                                                    |      |
| B.S., M.Ed., Auburn University at Montgomery;                                       |      |
| Ph.D. Auburn University                                                             |      |
| Smith, Walter .....                                                                 | 2016 |
| Associate Professor of Accounting                                                   |      |
| B.S., Marietta College; B.S., Ohio State; Ph.D, Ohio State                          |      |
| Stein, Claudia .....                                                                | 2018 |
| Assistant Professor, Biology and Environmental Science                              |      |
| Diploma in Biology, Freie Universitat Berlin                                        |      |
| Ph.D., Leipz/Halle and University of Potsdam, Germany                               |      |
| Sterling, Eric J. ....                                                              | 1994 |
| Professor of English, Distinguished Teaching Professor,                             |      |
| Distinguished Research Professor, and Alumni Service Professor                      |      |
| B.A., Queens College (City University of New York);                                 |      |
| M.A., Ph.D., Indiana University                                                     |      |
| Stine, Karen E. ....                                                                | 2009 |
| Honors Professor of Biology and Environmental Science                               |      |
| B.S., College of William and Mary; M.S., University of Virginia;                    |      |
| Ph.D., University of North Carolina at Chapel Hill                                  |      |
| Stives, Kristen .....                                                               | 2018 |
| Assistant Professor of Criminal Justice                                             |      |
| B.A., Hartwick College                                                              |      |
| M.S., Ph.D., Mississippi State University                                           |      |
| Taliaferro, Michelle H. ....                                                        | 2011 |
| Senior Honors Lecturer in Biology and Environmental Science, Distinguished Lecturer |      |
| B.S., Bowling Green State University; M.S., Bowling Green University;               |      |
| M.Ed., University of Toledo                                                         |      |
| Tang, Zongli .....                                                                  | 2001 |
| Professor of Sociology                                                              |      |
| B.A., Anhui University; M.A., Wuhan University; M.A., University of Regina;         |      |
| Ph.D., University of Alberta                                                        |      |
| Tate, Sommer L. ....                                                                | 2016 |
| Lecturer in Communication                                                           |      |
| B.S., M.S., Troy University                                                         |      |
| Taylor, J. Kyle .....                                                               | 1999 |
| Department Head, Medical Clinical Laboratory Sciences and                           |      |
| Professor of Medical Laboratory Science                                             |      |
| B.S., MLS (ASCP) CM, Auburn University at Montgomery;                               |      |
| M.Ed., Alabama State University; PH.D., Auburn University                           |      |
| Tharpe, Michelle .....                                                              | 2007 |
| Associate Clinical Professor                                                        |      |
| B.S., M.Ed., Auburn University at Montgomery                                        |      |
| Thomas, Nicholas C. ....                                                            | 1985 |
| Professor of Chemistry and Distinguished Teaching Professor                         |      |
| B.S., Ph.D., Monash University                                                      |      |
| Thomas, Portia .....                                                                | 2018 |
| Assistant Professor of Nursing                                                      |      |
| B.S.N. Auburn University at Montgomery; M.S.N., Mercer University                   |      |
| M.P.H., University of South Florida; D.N.P. Kennesaw State University               |      |



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| Thomson, Mary Sue .....                                                                                                                                                                        | 1988 |
| Honors Associate Professor of Biology and Environmental Sciences and<br>Distinguished Teaching Professor<br>B.S., D.V.M., Mississippi State University; M.S., Ph.D., Auburn University         |      |
| Thornton, Louis, Jr. ....                                                                                                                                                                      | 1996 |
| Instructor of Education and Director, Wellness Center<br>B.S.Ed., M.Ed., Auburn University at Montgomery                                                                                       |      |
| Tidwell, Pamela S. ....                                                                                                                                                                        | 1993 |
| Associate Professor of Psychology<br>B.A., Birmingham-Southern College; M.S., Ph.D., University of Georgia                                                                                     |      |
| Toland-Dix, Shirley .....                                                                                                                                                                      | 2016 |
| Assistant Professor of English<br>B.A., Tuskegee University; M.A., Auburn University;<br>Ph.D., Emory University                                                                               |      |
| Underwood, Robert G. ....                                                                                                                                                                      | 1994 |
| Professor of Mathematics<br>B.S., M.A., M.S., Ph.D., State University of New York at Albany                                                                                                    |      |
| Valentine, Sarah .....                                                                                                                                                                         | 2016 |
| Lecturer of Mathematics<br>B.S., M.Ed., Auburn University                                                                                                                                      |      |
| Walker, Adrian.....                                                                                                                                                                            | 2012 |
| Assistant Clinical Professor of Education<br>B.S., M.Ed., Auburn University at Montgomery                                                                                                      |      |
| Wallace, Samuel S. ....                                                                                                                                                                        | 2010 |
| Senior Lecturer in Theatre<br>B.A., Lipscomb University; M.F.A., University of Louisville                                                                                                      |      |
| Wang, Yi.....                                                                                                                                                                                  | 2006 |
| Chair, Department of Mathematics and Computer Science and<br>Professor of Mathematics<br>B.S., Ph.D., Southwest Jiaotong University;<br>Ph.D., West Virginia University                        |      |
| Ward, Chelsea K. ....                                                                                                                                                                          | 2005 |
| Chair, Department of Biology and Environmental Sciences and Honors Professor of Biology<br>Distinguished Teaching Professor<br>B.S., Florida Institute of Technology; Ph.D., Auburn University |      |
| Warren, Freida .....                                                                                                                                                                           | 2018 |
| Lecturer of Mathematics<br>B.A. Huntingdon College; M.Ed., Troy State College                                                                                                                  |      |
| Wells, Wyatt C. ....                                                                                                                                                                           | 1997 |
| Professor of History and Distinguished Research Professor<br>B.A., Vanderbilt University;<br>M.A., Ph.D., University of North Carolina at Chapel Hill                                          |      |
| Whatley, Laura .....                                                                                                                                                                           | 2015 |
| Associate Professor of Fine Arts<br>B. A., Arizona State University; M.A., University of Toronto;<br>Ph.D., University of Illinois, Urbana-Champaign                                           |      |
| White, Michael .....                                                                                                                                                                           | 2016 |
| Senior Lecturer, Business Administration<br>J.D., Cumberland School of Law                                                                                                                     |      |
| Williams, Karen .....                                                                                                                                                                          | 2002 |
| Librarian III and Interlibrary Loan Librarian<br>B.A., Berry College; M.L.I.S., University of South Carolina                                                                                   |      |

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|---------------------------------------------------------------------------|------|
| Williams, Kecia .....                                                     | 2015 |
| Lecturer, School of Nursing                                               |      |
| B.S.N., M.S.N., Auburn University                                         |      |
| Willis, Susan.....                                                        | 1978 |
| Professor of English and Distinguished Teaching Professor                 |      |
| B.A., Emory University; M.A., Ph.D., University of Virginia               |      |
| Winemiller, Terance L. ....                                               | 2003 |
| Associate Professor of Biology and Environmental Science, and             |      |
| Developing Faculty Scholar                                                |      |
| B.A., Rollins College; M.A., Ph.D., Louisiana State University            |      |
| Winkelman, Michael E. ....                                                | 1990 |
| Professor of Theatre, Distinguished Teaching Professor, and               |      |
| Ida Belle Young Professor                                                 |      |
| B.A., North Texas State University; M.F.A., University of Texas at Austin |      |
| Winkelman, Valeria J. ....                                                | 1994 |
| Professor of Theatre and Alumni Service Professor                         |      |
| B.A., North Texas State University; M.F.A., University of Texas at Austin |      |
| Witcher, Heather.....                                                     | 2019 |
| Assistant Professor of English                                            |      |
| B.A., Spring Hill College; Ph.D., St. Louis University                    |      |
| Yunker, Barr.....                                                         | 2008 |
| Associate Professor of Criminal Justice                                   |      |
| B.S., US Air Force Academy; M.S., Troy University;                        |      |
| J.D., Oklahoma City University; M.S.S., Air University                    |      |
| Wu Lei .....                                                              | 2018 |
| Professor of Computer Science                                             |      |
| B.S., M.S., Huazhong University of Science and Technology, China;         |      |
| Ph.D., University of Montreal, Canada                                     |      |
| Zachar, Peter.....                                                        | 1995 |
| Associate Dean, College of Sciences,                                      |      |
| Professor of Psychology, Ida Belle Young Research Professor and           |      |
| Distinguished Research Professor                                          |      |
| B.A., Loras College; M.A., Ph.D., Southern Illinois University            |      |
| Zhai, Qiang.....                                                          | 1991 |
| Professor of History and Distinguished Research Professor                 |      |
| B.A., M.A., Nanjing University; Ph.D., Ohio University                    |      |



## Emeriti Faculty

Year Faculty Started at AUM

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Adams, Caroline S. ....                                                 | 1974 |
| Professor Emerita of Biology                                            |      |
| B.A., Drew University; M.A., Ph.D., Southern Illinois University        |      |
| Alexander, Jeri Jo.....                                                 | 1988 |
| Professor of Education; Distinguished Teaching Professor                |      |
| B.A., Fort Lewis College; M.A., Northern Arizona University;            |      |
| Ph.D., University of New Mexico                                         |      |
| Anderson, Nancy.....                                                    | 1988 |
| Associate Professor Emerita of English                                  |      |
| B.A., Millsaps College; M.A., University of Virginia                    |      |
| Arnold, Edwin W.....                                                    | 1989 |
| Professor Emeritus of Management                                        |      |
| B.B.A., University of Wisconsin-Whitewater                              |      |
| M.B.A., University of Arkansas; Ph.D., University of Alabama            |      |
| Barnett, Kathryn.....                                                   | 1979 |
| Dean Emerita of Nursing                                                 |      |
| R.N., Parkland Memorial Hospital; B.S., George Peabody College;         |      |
| M.S., University of Colorado; Ph.D., North Texas State University       |      |
| Barksdale, Jeffrey M.....                                               | 1982 |
| Associate Professor Emeritus of Biology                                 |      |
| B.S., M.T. (A.S.C.P.), University of Alabama at Birmingham;             |      |
| M.S., Ph.D., Auburn University                                          |      |
| Billingslea, Olive.....                                                 | 1970 |
| Associate Professor Emeritus of English                                 |      |
| B.A., University of Mississippi; M.A., Johns Hopkins University;        |      |
| Ph.D., University of Wisconsin                                          |      |
| Bogie, Donald W. ....                                                   | 1971 |
| Professor Emeritus of Sociology                                         |      |
| B.A., Georgetown College; M.A., Ph.D., University of Kentucky           |      |
| Braswell, Ray.....                                                      | 1988 |
| Professor Emeritus of Education                                         |      |
| B.M., M.A., Appalachian State University;                               |      |
| Ed.D., Virginia Polytechnic Institute and State University              |      |
| Brown, Jennifer.....                                                    | 1976 |
| Professor Emerita of Education                                          |      |
| B.S., Jacksonville State University; M.A., Ed.D., University of Alabama |      |
| Cairns, Eldon J. ....                                                   | 1970 |
| Professor Emeritus of Biology                                           |      |
| B.A., M.A., University of California at Los Angeles                     |      |
| Ph.D., University of Maryland                                           |      |
| Campbell, Ken C. ....                                                   | 1970 |
| Professor Emeritus of Education                                         |      |
| B.S., Florida State University; M.A., Florida Atlantic University       |      |
| Ed.D., University of Georgia                                            |      |
| Carpenter, Laura B. ....                                                | 1999 |
| Professor Emerita of Education, Distinguished Teaching Professor        |      |
| B.A., Huntingdon College; M.S., Troy University;                        |      |
| Ed.D., University of Alabama                                            |      |

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|------------------------------------------------------------------------|------|
| Chambless, Donald A. ....                                              | 1973 |
| Professor Emeritus of Mathematics                                      |      |
| B.M.E., Auburn University; M.S., University of Tennessee               |      |
| Ph.D., Tulane University                                               |      |
| Coley, Phillip.....                                                    | 1972 |
| Professor Emeritus of Fine Arts                                        |      |
| B.A., M.F.A., University of Georgia                                    |      |
| Cornell, Richard A. ....                                               | 1976 |
| Associate Professor Emeritus of Communication                          |      |
| B.F.A., Ohio University; M.S., Vanderbilt University;                  |      |
| Ph.D., Northwestern University                                         |      |
| Crowley, Joseph P. ....                                                | 1979 |
| Associate Professor Emeritus of English                                |      |
| B.A., University of Toronto; Ph.D., University of North Carolina       |      |
| Deaton, William L. ....                                                | 1992 |
| Dean Emeritus of Education                                             |      |
| B.S., Albany State College; M.S.Ed., Ph.D., University of Kansas       |      |
| Dekle, Barbara .....                                                   | 1971 |
| Librarian Emerita                                                      |      |
| B.A., Huntingdon College; M.L.S., University of Alabama                |      |
| Dennard, Linda F. ....                                                 | 2006 |
| Professor Emerita of Political Science                                 |      |
| B.A., University of Idaho; M.P.A., New Mexico State University;        |      |
| Ph.D., Virginia Polytechnic Institute and State University             |      |
| Denton, Thomas E. ....                                                 | 1987 |
| Professor Emeritus of Biology                                          |      |
| B.A., Huntingdon College; M.S., Ph.D., University of Alabama           |      |
| Dodd, Donald B. ....                                                   | 1969 |
| Professor Emeritus of History                                          |      |
| B.S., Florence State University; M.A., Auburn University;              |      |
| Ph.D., University of Georgia                                           |      |
| Elliott, Robert H. ....                                                | 1976 |
| Dean Emeritus, School of Sciences and                                  |      |
| Professor of Political Science and Public Administration               |      |
| B.A., M.A., Mississippi State University; Ph.D., University of Houston |      |
| Fair, John D. ....                                                     | 1971 |
| Professor Emeritus of History                                          |      |
| B.A., Juniata College; M.A., Wake Forest University;                   |      |
| Ph.D., Duke University                                                 |      |
| Fitzsimmons, Michael P. ....                                           | 1985 |
| Professor Emeritus of History;                                         |      |
| B.A., Belmont Abbey College;                                           |      |
| M.A., PhD, University of North Carolina at Chapel Hill                 |      |
| Flynt, Samuel W. ....                                                  | 1987 |
| Professor Emeritus of Education                                        |      |
| B.S., M.Ed., University of South Alabama; Ed.D., Auburn University     |      |
| Gaines, Robert A. ....                                                 | 1977 |
| Professor Emeritus of Theatre                                          |      |
| B.A., College of William and Mary; M.A., University of Maryland;       |      |
| Ph.D., Indiana University; J.D., Thomas Goode Jones School of Law      |      |



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| Gehling, Robert .....                                                                                                                                                                                                                                                       | 2001 |
| Associate Professor Emeritus of Information Systems and<br>Decision Science<br>B.S., Austin Peay State University; M.B.A., University of North Florida;<br>M.M.I.S., Ph.D., Auburn University                                                                               |      |
| Gilchrist, Michael R.....                                                                                                                                                                                                                                                   | 1991 |
| Professor Emeritus of Education<br>B.S., Texas Christian University;<br>M.E.D., Auburn University at Montgomery<br>Ed.D., Auburn University                                                                                                                                 |      |
| Golden, Charles W. ....                                                                                                                                                                                                                                                     | 1973 |
| Professor Emeritus of Information Systems and Decision Science<br>B.S., D.B.A., Mississippi State University;<br>M.B.A., Memphis State University                                                                                                                           |      |
| Golden, Mary E. ....                                                                                                                                                                                                                                                        | 1973 |
| Professor Emerita of Accounting<br>B.B.A., M.B.A., Memphis State University;<br>D.B.A., Mississippi State University; CPA                                                                                                                                                   |      |
| Goodson, Jane R., .....                                                                                                                                                                                                                                                     | 1986 |
| Professor Emerita of Management<br>B.S., M.S., Ph.D., University of Alabama                                                                                                                                                                                                 |      |
| Gordon, Bruce.....                                                                                                                                                                                                                                                          | 1971 |
| Professor Emeritus of Education<br>B.S., M.S., State College of New York at Buffalo;<br>Ed.D., University of Georgia                                                                                                                                                        |      |
| Grafton, Carl.....                                                                                                                                                                                                                                                          | 1975 |
| Professor Emeritus of Political Science and Public Administration<br>B.A., M.A., University of Toledo; Ph.D. Purdue University                                                                                                                                              |      |
| Griswold, Diane L. ....                                                                                                                                                                                                                                                     | 1979 |
| Professor Emerita of Education<br>B.S., M.Ed., Auburn University; Ph.D., Arizona State University                                                                                                                                                                           |      |
| Hall, Rosine.....                                                                                                                                                                                                                                                           | 1996 |
| Professor Emerita of Biology<br>B.A., Rice University; M.S., Yale University; Ph.D., Rice University                                                                                                                                                                        |      |
| Hamilton, John B., Jr. ....                                                                                                                                                                                                                                                 | 1972 |
| Professor Emeritus of Chemistry<br>B.A., Bellarmine College; Ph.D., Case Western Reserve University                                                                                                                                                                         |      |
| Harrison, Danny .....                                                                                                                                                                                                                                                       | 1972 |
| Coordinator, Bachelor of Liberal Arts Program<br>B.A., M.S., University of Wisconsin; Ph.D., Washington University                                                                                                                                                          |      |
| Hebert, Richard J. ....                                                                                                                                                                                                                                                     | 1976 |
| Associate Professor Emeritus of Biology and Director Emeritus of Medical Technology<br>B.S., University of Southwestern Louisiana;<br>M.S., Northwestern State University; Ph.D., Louisiana State University;<br>MT(ASCP), Baton Rouge General School of Medical Technology |      |
| Hegji, Charles E. ....                                                                                                                                                                                                                                                      | 1985 |
| Professor Emeritus of Economics<br>B.S., M.S., University of Wisconsin; Ph.D. Wisconsin University                                                                                                                                                                          |      |
| Heier, Jan Richard.....                                                                                                                                                                                                                                                     | 1986 |
| Professor Emeritus of Accounting and Finance<br>B.S., M.B.A., University of Wisconsin<br>D.B.A., Mississippi State University; CPA                                                                                                                                          |      |

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|-------------------------------------------------------------------------|------|
| Hess, Allen K. ....                                                     | 1988 |
| Emeritus Professor of Psychology                                        |      |
| B.A., City College of New York; M.A., Ph.D., University of Kentucky     |      |
| Hill, Joseph B. ....                                                    | 1969 |
| Dean Emeritus, School of Sciences                                       |      |
| B.A., M.A., Washington State University; Ph.D., Auburn University       |      |
| Hill, Patricia N. ....                                                  | 1971 |
| Associate Professor Emerita of English                                  |      |
| A.B., Spring Hill College; M.A., Ph.D., Auburn University               |      |
| Ho, Yaw-Chin ....                                                       | 1980 |
| Professor Emeritus of Information Systems and Decision Science          |      |
| B.A., Soochow University; M.A., Vanderbilt University;                  |      |
| Ph.D., George Peabody College                                           |      |
| Honey, William C. ....                                                  | 1985 |
| Associate Professor Emeritus of Management                              |      |
| B.A., University of the South; J.D., Washington University              |      |
| Ingram, Jerry J. ....                                                   | 1970 |
| Professor Emeritus of Marketing                                         |      |
| B.S., M.A., University of Alabama; Ph.D., University of Arkansas        |      |
| Judd, Vaughn C. ....                                                    | 1986 |
| Professor Emeritus of Marketing                                         |      |
| B.S., Rochester Institute of Technology; M.S., University of Rochester  |      |
| Ph.D., University of North Texas                                        |      |
| Kamnikar, Judith ....                                                   | 1985 |
| Professor Emerita of Accounting                                         |      |
| B.S., M.S.B.a., Northern Illinois University                            |      |
| Ph.D., University of Denver; CPA                                        |      |
| Lacy, Allen Wayne ....                                                  | 1976 |
| Professor Emeritus of Economics                                         |      |
| B.S., M.S., Auburn University; Ph.D., Iowa State University             |      |
| Lake, Robert C. ....                                                    | 1971 |
| Professor Emeritus of Accounting                                        |      |
| B.S., M.B.A., University of New Orleans;                                |      |
| D.B.A., Louisiana Tech University; CPA; CDP; CIA; CMA                   |      |
| Lazenby, Ramona B. ....                                                 | 1989 |
| Professor Emerita of Nursing                                            |      |
| B.S.N., F.N.P.-B.C., University of Alabama at Birmingham;               |      |
| M.S.N., Troy University; Ed.D., Auburn University                       |      |
| Lett, Samuel L. ....                                                    | 1976 |
| Associate Professor Emeritus of Accounting                              |      |
| B.S., Huntingdon College; M.A., University of Alabama;                  |      |
| Ph.D., University of South Carolina, CPA                                |      |
| Liddell, Will L., Jr. ....                                              | 1976 |
| Associate Professor Emeritus of Mathematics                             |      |
| B.M.E., M.S., Auburn University; Ph.D., North Carolina State University |      |
| Little, Anne C. ....                                                    | 1989 |
| Professor Emerita of English                                            |      |
| B.A., University of South Carolina; M.A., Auburn University;            |      |
| Ph.D., University of South Carolina                                     |      |
| Lucy-Bouler, Thomas ....                                                | 1990 |
| Associate Professor Emeritus of Information Systems                     |      |
| B.S., Ph.D., University of Alabama                                      |      |



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| Marks, Daniel G. ....                                                       | 1980 |
| Professor Emeritus of Mathematics                                           |      |
| B.S., M.S., California Institute of Technology; Ed.D., Auburn University    |      |
| Martin, Larry L. ....                                                       | 1976 |
| Professor Emeritus of Education                                             |      |
| B.P.E., M.S., Ph.D., Purdue University                                      |      |
| McClurg, Verne H. ....                                                      | 1982 |
| Associate Professor Emeritus of Justice and Public Safety                   |      |
| B.S., Northern Arizona University; M.A., Washington State University;       |      |
| Ph.D., University of Nebraska                                               |      |
| McDonald, Nancy.....                                                        | 1987 |
| Assistant Dean, Professor Emerita of Nursing                                |      |
| B.S.N., University of North Alabama                                         |      |
| M.S.N., University of Alabama at Birmingham                                 |      |
| Ed.S., Troy University; Ed.D., Auburn University                            |      |
| McElroy, Derwyn.....                                                        | 1976 |
| Associate Professor Emeritus of Education                                   |      |
| B.S., Florida State University; M.Ed., Ed.D., Auburn University             |      |
| McPherson, Gloria J. ....                                                   | 1998 |
| Assistant Professor Emerita of Justice and Public Safety                    |      |
| B.S., Auburn University at Montgomery; J.D., Jones School of Law            |      |
| Meadows, Robert B. ....                                                     | 1993 |
| Associate Professor Emeritus of Education                                   |      |
| B.S., Jacksonville State University; M.Ed., Auburn University;              |      |
| Ed.D., University of Georgia                                                |      |
| Medley, Jerry Morgan.....                                                   | 1981 |
| Associate Professor Emeritus of Communication and Dramatic Arts             |      |
| B.A., University of Alabama; M.A., Pennsylvania State University            |      |
| Michael, Marion C. ....                                                     | 1982 |
| Professor Emeritus of English                                               |      |
| B.A., University of Georgia; M.A., University of Virginia;                  |      |
| Ph.D., University of Georgia                                                |      |
| Mills, Richard.....                                                         | 1979 |
| Professor Emeritus of Fine Arts                                             |      |
| B.F.A., M.F.A., University of Tennessee                                     |      |
| Moberly, H. Dean.....                                                       | 1970 |
| Professor Emeritus of Economics                                             |      |
| B.S., Abilene Christian University; M.S., Texas Tech University;            |      |
| Ph.D., Texas A&M University                                                 |      |
| Moody, Bradley.....                                                         | 1972 |
| Associate Professor Emeritus of Political Science and Public Administration |      |
| B.A., Southwest Texas State College; Ph.D., University of Texas             |      |
| Morton, Gerald .....                                                        | 1982 |
| Professor Emeritus of English                                               |      |
| B.A., Emory and Henry College; M.A., Georgia Southern College;              |      |
| Ph.D., University of Tennessee in Knoxville                                 |      |
| Mullins, Larry C. ....                                                      | 1994 |
| Professor Emeritus of Sociology                                             |      |
| B.A., M.A., University of Alabama; Ph.D., Yale University                   |      |
| Nance, Guinevera A. ....                                                    | 1971 |
| Chancellor Emerita                                                          |      |
| B.A., Texas Christian University; M.A., Ph.D., University of Virginia       |      |

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| Nanney, Jimmy R. ....                                                    | 1970 |
| Professor Emeritus of Mathematics                                        |      |
| A.A., Itawamba Junior College;                                           |      |
| B.S., M.S., Ph.D., University of Mississippi                             |      |
| Nathan, James A. ....                                                    | 1991 |
| Professor Emeritus of Political Science and Public Administration        |      |
| B.A., Indiana University; M.A., Ph.D., Johns Hopkins University          |      |
| Nivens, Maryruth K. ....                                                 | 1975 |
| Professor Emerita of Education                                           |      |
| B.S., Denver University; M.S., Ph.D., Purdue University                  |      |
| Nowell, William O., Jr. ....                                             | 1981 |
| Associate Professor Emeritus of Mathematics                              |      |
| B.S., Georgia Institute of Technology                                    |      |
| M.A., University of Maryland; Ph.D., University of Kentucky              |      |
| Okia, Nathan O. ....                                                     | 1979 |
| Professor Emeritus of Biology                                            |      |
| Dip.Ed., Makerere University College                                     |      |
| A.B., M.A., Ph.D., Indiana University                                    |      |
| Osterhoff, William E. ....                                               | 1975 |
| Professor Emeritus of Justice and Public Safety                          |      |
| B.A., Syracuse University; M.A., Ph.D., University of Alabama            |      |
| Palmer, Chester I. ....                                                  | 1974 |
| Professor Emeritus of Mathematics                                        |      |
| A.B., Dartmouth College; M.A., Cornell University;                       |      |
| M.Phil., Yale University; Ed.D., Auburn University                       |      |
| Paul, Susie ....                                                         | 1985 |
| Associate Professor Emerita of English                                   |      |
| B.A., University of Southern Mississippi                                 |      |
| M.A., University of Mississippi                                          |      |
| Ph.D., University of South Carolina                                      |      |
| Permaloff, Anne ....                                                     | 1975 |
| Professor Emerita of Political Science and Public Administration         |      |
| Ph.B., M.A., Wayne State University; Ph.D., University of Minnesota      |      |
| Portis, Sarah C. ....                                                    | 1973 |
| Associate Professor Emerita of Education                                 |      |
| B.S., M.Ed., Mississippi State University; Ed.D., Auburn                 |      |
| Rawlings, Jill ....                                                      | 1979 |
| Professor Emerita of Physical Science                                    |      |
| B.A., Northwestern University; Ph.D., California Institute of Technology |      |
| Richardson, William S. ....                                              | 1977 |
| Professor Emeritus of Physical Science                                   |      |
| B.A., Huntingdon College; Ph.D., University of Alabama                   |      |
| Riley, Karen.....                                                        | 1996 |
| Professor Emerita of Education                                           |      |
| B.A., M.A., University of Central Florida                                |      |
| Ph.D., University of Texas at Austin                                     |      |
| Rogow, Robert B. ....                                                    | 1986 |
| Professor Emeritus of Accounting                                         |      |
| B.S., M.B.A., Florida Atlantic University                                |      |
| Ph.D., University of Arkansas; CPA                                       |      |



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| Ryali, Rajagopal .....                                                                                                                                                                      | 1981 |
| Professor Emeritus of Anthropology, Geography and<br>International Studies<br>B.A., Honours, Presidency College, Madras;<br>M.A., University of Madras, India; M.A., Ph.D., Duke University |      |
| Sadowski, Cyril J. ....                                                                                                                                                                     | 1983 |
| Professor Emeritus of Psychology<br>B.A., University of Illinois; M.S., Ph.D., University of Georgia                                                                                        |      |
| Schlotterback, Darrell L. ....                                                                                                                                                              | 1975 |
| Associate Professor Emeritus of Justice and Public Safety<br>B.S.C., University of Iowa; M.S., Florida State University;<br>J.D., University of Alabama Law School                          |      |
| Schrader, George D. ....                                                                                                                                                                    | 1979 |
| Professor Emeritus of Justice and Public Safety<br>B.S., J.D., University of Kentucky; M.B.A., University of Dayton<br>M.P.S., Auburn University<br>M.P.A., Auburn University at Montgomery |      |
| Schwarz, Joseph E. ....                                                                                                                                                                     | 1977 |
| Professor Emeritus of Fine Arts<br>B.F.A., Ohio Wesleyan University; M.F.A., University of Illinois<br>Ph.D., Ohio State University                                                         |      |
| Self, Donald R.....                                                                                                                                                                         | 1985 |
| Professor Emeritus of Marketing<br>B.A., Pan American University; M.B.A., Texas A&M University<br>D.B.A., Louisiana Tech University                                                         |      |
| Sharp, Paul.....                                                                                                                                                                            | 1983 |
| Professor Emeritus of Sociology<br>B.S. Northeastern State University<br>M.S., Ph.D., Oklahoma State University                                                                             |      |
| Sheldon, Craig T., Jr. ....                                                                                                                                                                 | 1977 |
| Professor Emeritus of Anthropology and International Studies and<br>Distinguished Research Professor<br>B.A., University of Alabama; M.A., Ph.D., University of Oregon                      |      |
| Shook, Lyle L. ....                                                                                                                                                                         | 1984 |
| Associate Professor Emeritus of Justice and Public Safety<br>B.A., Coe College; M.A., University of Iowa;<br>Ed.D., University of Northern Colorado                                         |      |
| Simpson, F. Morgan .....                                                                                                                                                                    | 1974 |
| Professor Emeritus of Education<br>B.S., M.Ed., Auburn University; Ed.D., University of Memphis                                                                                             |      |
| Smith, Furman.....                                                                                                                                                                          | 1971 |
| Associate Professor Emeritus of Mathematics<br>B.S., M.A., University of Alabama; M.S., Ph.D. Florida State University                                                                      |      |
| Teggins, John E.....                                                                                                                                                                        | 1971 |
| Professor Emeritus of Physical Science<br>B.Sc., Sheffield University; M.A., Ph.D., Boston University                                                                                       |      |
| Thomas, M. Carolyn.....                                                                                                                                                                     | 1985 |
| Professor Emerita of Education<br>B.S., M.Ed., Tulane University<br>M.S., Auburn University at Montgomery<br>Ph.D., University of Iowa                                                      |      |

|                                                                                                 |      |
|-------------------------------------------------------------------------------------------------|------|
| Tims, Betty J. ....                                                                             | 1983 |
| Librarian IV and Head of Public Services                                                        |      |
| B.A., Livingston University; M.A.T., University of Montevallo                                   |      |
| M.L.S., University of Alabama                                                                   |      |
| Vocino, Thomas.....                                                                             | 1974 |
| Professor Emeritus of Political Science and Public Administration                               |      |
| B.S., M.S., University of Wisconsin-Milwaukee                                                   |      |
| Ph.D., Southern Illinois University                                                             |      |
| Walden, John C. ....                                                                            | 1988 |
| Professor Emeritus of Education                                                                 |      |
| B.A., University of California at Los Angeles                                                   |      |
| M.A., California State University                                                               |      |
| Ph.D., Claremont Graduate School                                                                |      |
| Walker, Robbie Jean .....                                                                       | 1979 |
| Professor Emerita of English                                                                    |      |
| B.S., Alabama A & M University; M.Ed., Alabama State University;                                |      |
| Ed.D., Auburn University                                                                        |      |
| Warren, Janet S. ....                                                                           | 1974 |
| Professor Emerita of Education                                                                  |      |
| B.S., M.S., Ed.D., Auburn University                                                            |      |
| Wiedemann, Barbara.....                                                                         | 1969 |
| Professor Emerita of English                                                                    |      |
| B.A., State University of New York at Buffalo                                                   |      |
| M.A., Ph.D., University of South Florida                                                        |      |
| Williams, James O. ....                                                                         | 1969 |
| Chancellor Emeritus                                                                             |      |
| B.S., M.Ed., Ed.D., Auburn University                                                           |      |
| Williford, Henry "Hank" N., Jr. ....                                                            | 1983 |
| Professor Emeritus of Education, Distinguished Research Professor and Ida Belle Young Professor |      |
| B.S., M.Ed., Auburn University;                                                                 |      |
| Ed.S., University of Alabama at Birmingham;                                                     |      |
| Ed.D., University of Alabama                                                                    |      |
| Wilson, Thomas M. ....                                                                          | 1983 |
| Associate Professor Emeritus of Political Science and Public Administration                     |      |
| B.A., Mississippi State University                                                              |      |
| M.A., Ph.D., University of Tennessee                                                            |      |
| Witt, Barbara S. ....                                                                           | 1998 |
| Professor Emerita of Nursing                                                                    |      |
| B.S.N., M.S.N., University of Connecticut                                                       |      |
| Ed.D., Columbia University                                                                      |      |
| Wolfe, Virginia I. ....                                                                         | 1983 |
| Professor Emerita of Communication                                                              |      |
| B.S., M.A., Ph.D., Ohio State University                                                        |      |
| Wolfinger, Donna M. ....                                                                        | 1980 |
| Professor Emerita of Education                                                                  |      |
| B.S., Clarion State College                                                                     |      |
| M.Ed., Ed.D., Pennsylvania State University                                                     |      |
| Woods, Paul C. ....                                                                             | 1972 |
| Associate Professor Emeritus of Mathematics                                                     |      |
| B.A., M.A., Ph.D., Florida State University                                                     |      |



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## Credit Hour Policy

Auburn University at Montgomery defines one credit hour as the unit of work that includes no less than one 50-minute period of classroom or direct faculty instruction and completion of assignments that typically requires 2 to 2.5 hours of out-of-class student work each week for approximately fifteen weeks for one semester (or the equivalent amount of work over a different amount of time). AUM expects that for each credit hour awarded, an appropriately prepared student will complete an average of 3-3.5 hours of academic work per week over the length of a 15-week semester. The same general expectation of student work exists for credits awarded for practica, internships, activity courses, laboratory experiences, and distance learning courses, although there will be variations to accommodate differences among academic disciplines.

## Course Numbering System

The "Course Number" is the four-digit number for a specified course. Each course number must follow the Course Numbering System detailed below.

### XXXX 1st Digit - This digit is used to designate the level of the course.

- 0XXX Developmental/Remedial - Non-college level
- 1XXX Undergraduate level courses primarily for freshman
- 2XXX Undergraduate level courses primarily for sophomores
- 3XXX Undergraduate level courses primarily for juniors
- 4XXX Undergraduate level courses primarily for seniors
- 5XXX Undergraduate level courses primarily for seniors/graduates
- 6XXX Graduate level courses
- 7XXX Graduate level courses
- 8XXX Graduate level courses

### XXXX 2nd and 3rd Digits - These two digits are generally available for departments and schools to assign to courses. The following range of numbers restricted for use for common University courses.

- X89X - Elective Credit for transfer courses for which AUM does not have equivalent courses
- X90X - Independent Study (A course that is designed to be taught to an individual as a part of their degree requirements, outside the classroom setting, usually broad in scope, and content determined by the faculty member. The independent study is also used in lieu of a regularly scheduled base course when scheduling conflicts impair a student's timely graduation.)
- X91X - Practicum, Preceptorship
- X92X - Internship
- X93X - Directed Studies (On Campus)
- X94X - Directed Field Experience (Field Studies away from campus)
- X95X - Seminar/Colloquium
- X96X - Readings
- X97X - Special Problems/Special Topics (A course that is designed to be taught to an individual as part of their degree requirements, in or out of the classroom setting; courses are normally narrow in scope and focus on a particular area of course content.)
- X98X - Non-Thesis Project/Comprehensive Examinations
- X99X - Research, Thesis, and Dissertation

### XXXX 4th Digit - This digit designates the type of the course.

- XXX0 - Base/Lecture Courses
- XXX1 - Lab Supplement for Base/Lecture Courses
- XXX2 - Performance Courses (Courses in which the student is the primary participant/presenter based on Instructor direction/guidance. Types of courses in this category include, but are not limited to, problem, recitation, studio, design, performance, and comprehensive examinations.)
- XXX3 - Combination, Lab/Lecture Courses



- XXX4 - Structured Application Courses (Courses, required or optional, that are designed to be applications in a workplace environment.)
- XXX5 - Non-Thesis Project
- XXX6 - No Designation
- XXX7 - Honors Course
- XXX8 - Honors Laboratory Course
- XXX9 - Elective Credit for transfer courses for which AUM does not have equivalent courses

